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<210> 33628
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33628

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<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33629

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anaacatatt tttggtcagc caactttaca aggatngggc cattatntag acaaactaaa 300
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cacaaccttg gac 373

<210> 33630
<211> 455

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14004

[illegible]

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<213> Glycine max

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 cccttgtgtc tagcttgaaa tgtaccttca attacatcat acagcctcat ggaaaatctt 360
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 gattcttcaa tagtagaaac tttggc 446

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 agaaatattt acaatcctac caaaaagaac cataaattgg gagaaatata tacatttttg 180
 aaaacttttc tatacaaaag ttagtcataa aagacgacta acagtaaggc aatgaaatgg 240
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 gaatgcgac tacttagcta agggtttgat tgctcaccta aggtaccgg actggacagc 480

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522

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tcgtgtctac taatattcct atggagaaat ggaaacttct ggtgacatag aatcatatga 180
ggatctatat taangttata aggctgactt ggacacaaaa tctaaagatg atacacaggc 240
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<213> Glycine max

<223> unsure at all n locations
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cttgagaagc tagagcttat ctacacacac ccctcgaata actaagctca ctttcttgag 300
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<211> 385
<212> DNA
<213> Glycine max

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tcaaactagg	attaactccc	tttaaccttc	aaataccact	aaatccagaa	ttggccttca	360
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 ctatagtgtt acaaactata atataagaaa ttgttgataa ataaactgca aggggagcaa 240
 agtttcagaa aactgcttca cctgcagctt gacatattag tccttttact attaagaaga 300
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 <212> DNA
 <213> Glycine max

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 aaagccaaaa attcactata aaaatatggc ggatgacgta acagaaaatg acggatgtca 180
 tggcgaacaa aaaaaaaata catatttata aagtcactga aattgaaaaa aacaatggat 240
 tgcattcaaa taaactaaaa atgtttcatg agttcataca ataatacaatt atcaatacca 300
 aataaactca ttaaagagtt cacaataaga aaatgataaa aaataaaaagg ggtgtcaaat 360
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 <211> 447
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
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 tctgtgttat catgtcatgt ttgcattana attagagaaa ttcaggctac aaaatttaag 240
 gattttgaca ctattactat tactgagaaa ttctctctct ctcttnttgg tttttctcct 300
 ttgtatgtgc tcaaactcat aattcanaaa anaatacacc aaatatntat tattctaaac 360
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 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
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tagtcaatcg ctacgcgtat ggatgtccaa ctaaggactt ggccaattca tgattatgaa 240
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acttgtagt accactcctt tcacacncaa ttaagacaaa tgaacttctt cctctgctat 420
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<210> 33663
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
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<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
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 tcaaggagtg tatagaagg gagagggggc aatattttta cataattata taatatttat 300
 gttntaataa ataataattt taaaaatatt gattattaat tctatgaata acattagaga 360
 tatatctatt actaattctt ttaagcaaatt attatctcaa aaatatattc tttatataga 420
 attttcttta atataatttt ttatatacac ac 452

<210> 33665
 <211> 419
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33665

ttcttgttta ccccatgttg agtttgctta caataaagct gttcatagca ctactaattg 60
 ttctcctttt gaagttgttt atgtttttta cccactaact tctcttgatc ttttgccat 120
 gcctaattgtt tctattttta agcatanaga aggtcaagta aaggcggtct atgtgaagaa 180
 gttcatgag agagtcaaag atcaaattga caggaaaaat aaaagctatg ctaaacaagc 240
 caacaaaggg agaaagaagg ttgtcttcga acctggagat tngttttggg tgcacatgag 300
 anaagaaagg tttatggaac anagganatc atagcttcaa ccaaggggag aatggaccat 360
 ttaagtgtt gaaagaatca atgacaatgc ttacaaagtt gagctaccca gtgagtata 419

<210> 33666
 <211> 469
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33666

gtgtntgctc cgtgccccta ttttaaggac ctaanaggta tagagctaac tangcattta 60
 gtgataaccc ccaaggtagt catatctctc ttgatggtct ctagaggtat catccccctt 120
 gaagaacata ttgcagtagt agggactact agcaacaata agttttcaa gagaaaagct 180
 ctagatgagg gttcactgta atcaagcaag tcggagacct agcatgatca cagattcacc 240

<400> 33671

tcacaacgta aggaattgtc ccagtggcaa actgtcgata tcacctgcc tgtctccgta 60
 tccaataact taatattctt gtcataccca gcaactcaaaa acttggtccc atcattgctg 120
 aaacagatat ccctaacggc tntcgagtgt cccatgtaag tctcataca cttgccagag 180
 ttgaaaacat cccacatctt aatcttggtg tccatgccag cagagagaat caaatggcca 240
 tacttgggga acaacctaat agcagacacc cctttggtgt gtccactcca agtatgaatc 300
 aatctctcgg gcatataaca atgatcatta ctgcctttg catccttgng aggcgcgac 360
 caagacctac cttggtaatc cttctcctct ttcccatgaa aaagtgttt atctttaaca 420
 acctcaactn ttctccctcc anaaccactc ttctc 455

<210> 33672

<211> 437

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33672

agcttgngtg atgttgccg tactgatggg taccatgagg tgtttgctgn ggtttgaccc 60
 atgcgggtgt tgaagagacg gcatgggcat ctccctcctt cctttntgcc cctggtgccc 120
 cgattctttt ggcgttcacg tttgtggagg aaacgtaatc aaactttcct ctcttcaatc 180
 caacctcgat tctttcccgc gcaaacacca gatccgcana gctggacggc atgtaaccga 240
 ctagcttctc atagtagaac actggcagag tgtctaccat catggtgatc atctctctct 300
 caaccatggg aggagctact tgtgccgcca aatccctcca tcgctgcgca tattctntan 360
 aggtttcacc ctctntctta nacatattct gcaattgagt acggtcagga gccatatcag 420
 aatngactga tactgct 437

<210> 33673

<211> 445

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33673

ntctggagta gaaacatggg accaactcat tttatttcaa aaaggaagtc gtatctagtc 60

aaggctctgag agaccatata agtttcctaa cgattttctaa ttatgtgggc cattaagtct 120
 atcatatgct gacaatagcc gagaagccca tgaatctctt cgggggcgga gtacgtgtct 180
 gccatcgct tggccttggc taacaatcgg ggaagttctt gactccggt caaggtaaga 240
 gcaaaccgat ccatccacat gggtgcctct tgggtgtaaag agtcgatcac ccttcctcta 300
 gcctcttttt cgcgtatac ttgggcatat tcgtccgcaa tcctatgctc gtgggcccgcg 360
 gctagaccta actcttcttg gtacttggcg atgatatgta gcatattggt ctccgtctcg 420
 cataaacgct gagacaagct tcttt 445

<210> 33674
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33674

cagcatccaa cttcgcatga gcaccgccta tcaactctana atcgatagat tgatggagtt 60
 cctcaacagt acgttggaac aatatctcca tgcctttgtg cattccaacc cgtcgagatg 120
 gggaaaattc ctcacgttac agaatgggtct tataacaccg ctgttcattc tgccacagga 180
 ctgtcacctt atcaaacagt ttatggtaaa cctcgcccat ccattcccca ttatttgctt 240
 gggctctcta ctattgagcg tggtgaccaa ttgctttcag agtgacaagc tatgttgcaa 300
 gctctccata agaagctttt caaagctcan actgctgtga aggtgcaagc tgacaaaaaa 360
 cgcattggaag tgcctatag tattgggtgat tgggtttata ttcgtttttt cccctaccat 420
 caaacgtcag tttccaggat gacatata 448

<210> 33675
 <211> 472
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33675

gctcacgctt atacaggcat ggngatgtca agtgccaact attccacgcc acacactctg 60
 ctctttgcct ccttngcct ntcttatcct ctgccaactc ttttaccctt tctctttcca 120
 ctcttctttt tcaaactaac ataacacctt gaacgtgact tccccatttg gaaccaaaaa 180

attagtccaa aatagataga taaatattct tatatcttaa ctactttttc tttctttatt 240
 tttatattca gcttcttttt tcttttaatt tgatttggtg ctagttctgt atattgcac 300
 aagcattatt cttctctttt atctttccgt tttctgaatg ttttgccat ttctttggat 360
 gctattctat aatgacaatc acggctcctt tttttcttcc ctctctanac taaaatatcg 420
 agtatatgca atccgattct tatgtagaag gtctccacac tttcctatat at 472

<210> 33676
 <211> 327
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33676

gatactacta caatacaaag gctaagatga gcggcacgcg ccatgtattg gtagtgggat 60
 tagaactttg cttgtatctt tctgtcatcc tttacctcgc acttcgggaa ctgctgccac 120
 tttcaccctt tggattcttt ccttctcaaa ccacaaagca atttgtccaa tttggatcac 180
 aactcacat acagccgatt agaaagacct tcgcatttca ctatttcttc tcttctcaca 240
 caagatacat angattttct tcttctgcta ccttcaaaca tacaagaaga acatgccctt 300
 atcgagttac gtgactcact cacacat 327

<210> 33677
 <211> 493
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33677

gctctttctc ctaagattta atcggattat ttttttgaat ctactctgaa aagctctaaa 60
 cctcatgaca atggaggata tacatggaga ataagatcaa gaacaaggaa ttaaagtga 120
 ttgaccgaac aaaaagatag aggcagaaaa agaacatcac atagacaaag atgctcttga 180
 taccatatga ttagctcca tgtggagctt gtaggccttg gatcttcttc atcaattgag 240
 tcctttgctt cttgaagatt aatggcagca gaatggagaa ggaagaaaga tgattggaga 300
 tgccacttca aggagaagat gagtcaagaa caagctcacc accatangaa gccatggata 360
 aaagcatgaa ggtaggagaa gatgagtgga gagagaatga gagaagaagc acgacatctt 420

gtgcctcaca tgaggtctga actntgaaat gtaattctca catgatcaaa gttggaacaa 480
 tgcacacaca acg 493

<210> 33678
 <211> 359
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33678

atacaatcca agttggagga atcatccaaa tctgagatgg gcaagtcttc tacacaacaa 60
 cagcctgtcc cttccttcta gaatgctgct ggtccaagca agccatatgt tctcctcca 120
 atgcagcaac agcagcaatc acaacaaaga caacaaacac ctgaggcccc ttctcaacct 180
 tccttanang anntagtaag gcaaatgacc atccagaata tgcaattcta gcaagagaca 240
 ataacctcca ttcagagtct gaanaatcac atggggcaga tggctactca nttgaaccaa 300
 gctcactccc caaattntga caaattgcct tcacagacta tgcagaaatc gaaaatgtg 359

<210> 33679
 <211> 566
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33679

cgccgcgcgan cattgagacc gttnganttt gcnnnacnnt gtatacactt gtgacactct 60
 acaanactca agctngcaca gaggagcngc taacaaatth gaaacncnc tcatthttta 120
 cgatthtatat tcaacatctt ctcatggctc agttgaataa aattctthtat taaaacgact 180
 caatccaatt gctctctata tgatctattc caacatgtaa ttttaccttg aaatatttca 240
 actacatgat taaaatgaat taccagata aaagtgatca tctaaacaca ctcttagtga 300
 ctttatccgg ctctgtact ggaatttacg tgtattcgag acacgaaaaa ttacaacata 360
 cctcaaattgt tgggtcaaaca atatgaaatc gacgagcaca caatcaattc gtgcgccaat 420
 tgttacccaa tcatacagag cagatcaatc aactctataa cgtagagcat cgtacaatac 480
 caagctcacc cgcacaaaat caatcacat tttttagtgc ataacaatcg tacagtacta 540
 tagtcacgag tacatgcctg aactcg 566

<210> 33680
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33680

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 ttttttaagg aaaacacccat aactaaacgc gccgcaagg atccctatcg caccagatcc 120
 aaatctagaa cgatgggtga tcaaaaggag acgcangaac agatgaaagc cgacatgtcg 180
 gctctgaaag aacaaatggc ctccatgatg gaggccatgt tangtatgaa acagctcatg 240
 gagaagaacg cggccactgc cgccgctgtc agttcggctg ccgaagcaga cccgactctc 300
 ttggcaacta cgcaccatcc ttctcanac atagtaggac ggggaaggga cacactgnng 360
 cagcatggca gccctcacct gngatacaac cgagcggctt acccttatgg attgccgcca 420
 actattccca cccatc 436

<210> 33681
 <211> 368
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33681

cccatctgac ctactagccc aattaacatc gacactaccc gttgaaagga tatnaggtga 60
 tacaccaaag cttccaaaca tggaagcaac catgagaggt gtcctctctt cataacctat 120
 nttcttcgag gcaacacacc ttccatacca aaaccctacc ccatcaatat catgaccctc 180
 cttttcaacc gcactctgtg aactaaccag atcatctgct gcaaaaaact caagcaaagc 240
 tgaaattata tgatgcatcc cttcttttgc atactcctcc atgaccaaac caaattgaga 300
 atgtctccct tggaacaccg acatggagaa ataaatattc cttaaaactc ggcagatctg 360
 acaatcac 368

<210> 33682
 <211> 474
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 33682

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gagatgcagc ggaagataat agagagaagg tgaggggaga cgccatccac tagggaataa 120
gcatggaag aatgagcttc acctccaaga gagtgccttg gataagaagc ttagagagga 180
agcttcagtg gagggaaaaa aagagagaga gaaaganaaa ggggggtgagc atgaaattga 240
aggaggaaaa gagggagaga agttggactt tgtagtgtgt ctcaacaagac tctcattcat 300
caaagttaca acaagtgtta cacatgcttc tatttatagc ctangtagcc tccttaagaa 360
aacttcttga gaagcttcct ttagaagcta gagcttagct acacacaccc ctttaataac 420
taagctcatt tccttgagaa gatntctgga gaggctagag cttagctaca caca 474

<210> 33683
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33683

attggtatattt aaaatttcat ttttaagggtt tctntaacag ttttaataaat gggaaaatat 60
tatatcactt ataggtacaa tgccaacaaa tcaatggaca attgtgcctt ttgcaatgct 120
gatggtgact tcttgatagt tccccaacaa ggaagtaagt cactacaaca atttccttga 180
tggttcaatg ttaactaaga cagttgtgtt tgggtttaat ttcattatac ttgtgtgcat 240
atagatctct ctgcacctag ataatatgct tggtgatctg tgccaatgaa cttggctgga 300
cttgaatata aaagaaattt cttaattgaa ggatgcaatg catatgaatg acacatattg 360
ttctttttc 368

<210> 33684
<211> 315
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33684

aagttaagat nattanagga attaaagana aacaanagat aggaagtgag ttatttnatt 60
nntaantaat gaagagaata aagataacat gtaggtataa atatnatata aagaaaatac 120

aacttattta agcatgactt acgttatttc accactttgt cgcataacat tacctcgcaa 180
 caccacacat ttcatttatt ttcacaacat tcacgtactc aaggatctaa acacaatatc 240
 atcaagtcaa tcaatatcga tcaatacaca agcgttatgc aacatatata ctaaaactta 300
 atcctatatg caagt 315

<210> 33685
 <211> 469
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33685

tgctgcanac atctacaaca gacctcctca acctcatcaa caaatcagc cacaacataa 60
 taattatgac ctctccagca acaggtacaa tcccggatgg aggaatcatc ccaaccttag 120
 atggctgaat ccttcacaac agcagcaaca acaacaacct tattttcaaa atgctgctgg 180
 cccaagaaca ccatacgttc ctccaccaat ccagcaacaa caaaaacagc aacagcccca 240
 gaaacaaaaa acaattgagg cccctccgca accttccctt gaagatcttg tgaggcaa 300
 gactatgcaa aacatgcagt ttccacaaga gaccagagcc tncattcaga gcttaactaa 360
 tcagatggga cagttggcta cacagttaaa tcaacaacag tcctagaatt ctgatagaat 420
 accttctcaa tctgtccaaa atcacanaaa tgtgagtgcg aatacattg 469

<210> 33686
 <211> 461
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33686

agtctacaca gtttgagtcg cacacttatt ctaagcactt tcttttctat ctttgcctt 60
 caaaagtgag aacacgaggt gggtattcat agagaaaatg gttataacct cttataatcg 120
 attaaatatc caatgtgatc aattatttta agaagtaat caattatatt atcatttcaa 180
 tcgattaaag tattcttccc aacatctgaa aaactttcaa aaacantgta atcgatttga 240
 ttattgatgt aattgattaa agtggttcttg ataacttctg ggaacacctt taagaatgaa 300
 gtaatcgatt acgatcatct ggtaatcgat taaagtagag actcgtgaca tatcagacat 360

ggtctcaact aaactatata attgattaaa ccgaaactag aatntctctg caagctacac 420
 atactcgtgt aatcgattac gataagcctt gtaatcgatt c 461

<210> 33687
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33687

attatcttcg agactcgtat tgtgagtcag atcaaattt tgatgggtta ctgaattcat 60
 attattccgg aatgaggaat gagattcaac actcacatca acatcatttg cgacaggaga 120
 atccggaaca gtgtactctg taagctctc accagagact gaggttgata aataactcaan 180
 cgctgtctta tcangaatgc tggactcttc aattttctca agaggctggc cttcatgagt 240
 agctgtattc gatgggatcc aggatacacc agtagatggt cttgaatgag aatggctctc 300
 aacagcttcc acaaaactta cagagaaccc aacctgacat gtttctgatg ctncatgatc 360
 attgctgaca tatgtggctg cgaatcatat gccaatatac caacttg 407

<210> 33688
 <211> 478
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33688

gcttgccatg ttaaaggaga aagcatcaca tccttttaag gctganntta ttcagttctt 60
 tctcttcatt tatgtgctta agcaacggaa gctgaaccaa tatacctgcg gatattaaca 120
 aaccaagcct cacaataaaa aaaaaggccc aaaacaaaaa agtgtaatcg atattaataa 180
 taacacatgc atgaattgaa aaagcatgtg ttcaggcatg taaagtaatt gaggcacaaa 240
 aatgtgaagt taattgataa gtatgatgaa aatcgaaaag agtgtaataa gtgacgaacc 300
 atgtacatca nggttaacat tcaactcgtg aacttgtttt attagttcag cttgcgagac 360
 ttgttcggga aggtccacat cgaaggattt gattcccaat tcggcgcatg cctttctctt 420
 cattcccacg tagctntgtg aatcctttct gttccctact atcacaactg ctagtccc 478

<210> 33689
 <211> 340
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 33689

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 agcgtaaggc ttaactatca agagcagaag caaaacgacg aatgaatgct taaccatcca 120
 tgacgaaagc ttcaacactg ctgaatcatc atggacagaa ccttacataa aaagctgctg 180
 agccaacaac accatacgtt catccagact tttcacaac actttgtgaa ccaataataa 240
 ccaacgctta accactcatg acaaaagcta aaatcatcaa aacatagcta agaggctgat 300
 gacaataacc tacaacagga caaatatcaa taccacaatg 340

<210> 33690
 <211> 443
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 33690

 acataccana tggtggccta agtaatttgc tataatgtat tacgggttatg tgtntaatt 60
 ngagtttatg aaaaatgaca aggcaccata gcatttatgt aatgttgagt tatagttggg 120
 aggtttcttt cagtactatt attaattctg taaatcagtg atttgcctt tctttccttc 180
 cattccaata ttgcattctc gaccactatg atttcttcat agtttcttat tttcngttgt 240
 ttatccaaac aataggggtg gtcacaggtc ggattggatc agatccgtgg cattntccga 300
 tctgattcga tcaggttcaa tttggaatgg aatttgtcta gtttaagtat gcaatccgaa 360
 ttgcagtggc aaagcttccg acaaatanaa ttgactaatg tggaatatta tnggtcactt 420
 attcgcattt ttaagtaaag att 443

<210> 33691
 <211> 441
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 33691

tgccacccag ctgcccagg cgatcagggg tgcttcctct agaagcaata gccttctgga 60
 ggaatcttct ggaggggtca agtgggcctg gttgctatct gcaccncat ttttactaag 120
 tacacccctt gccttttttt ggtgattctt ttttcgtaaa gttacggaaa cttacgaatt 180
 tcgtaacgat acttggtttt tttccgtaat gttacggagc cttgcggatt acataatcat 240
 cccctttttt gacttacgga atgttacgga acctactaa ttgtgcaacg atgtctccat 300
 ttgatttccg gtgtgtcacg gaactttacg gatngtgcac caatattttt ttttgttttt 360
 cagcatgtcc cggaatntca caaattgcct aatgatgagt gccaaagcacc tcacaaggac 420
 canacaaaag ttgcatgtca t 441

<210> 33692
 <211> 328
 <212> DNA
 <213> Glycine max

<400> 33692

gatagcttct gccgatggaa cagctaccgg agagacgtct tactgaccct cgtttaccaa 60
 tgtaagttct attgcgaaga aaaacttggg tgaggcaata ttgttcaata tgactatata 120
 aaggccacac atgaaagtaa attatgttct ttgatctatt gagatttggg tcatacaaca 180
 gggaaaccca tacccttgcc attaatccat ctttgcttca gaattgaacc tggaatctcc 240
 aagttggggg gcctgaccc tactcattga agtgtctgat tgggtttgga tattttgcgt 300
 tgggtgaacaa atcttcaaga acaaattc 328

<210> 33693
 <211> 459
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33693

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 ccttactttg tcttacatgg cacacaccct aactattcat cgctatgtat ctttggttct 120
 aaatgttttc cttacacttg ggatgcacga cataacaaat tcgaccctaa aacccttcc 180
 tgtgtgtttg ttggatatag tgatatacat aaaggatata aatactttca tccttctagt 240
 aagaaatttt ttatctcatg acatgttgtt tttgacgagt cattctttca atataaaact 300

aattgtcatc atacaatttc ctctcctaca cagcatgtag ttagcataat tgattcttgg 360
 ctacctcata ctaactccag ttcttgtgca gacctaaca caataacaac agctnntgct 420
 tccgttcacc atgctcaaat ctttaatgaa tctcttgct 459

<210> 33694
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33694

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 tggatctttg agctttaata aggttcttca atggtgattt tcagccatgg agttgcagcg 120
 gaagataaag gaaaagaggt gagaggatgc gtcattccact agagaataag tcatggaagg 180
 agaagcttca ccaccaagag agtgccttgg ataagaagct tagagaggaa gcttcaatgg 240
 aggaagagaa tgagaganag aggcattgaa attaaaggag aatagggaga gaagttgaac 300
 tttgaagtgt gtctcagaag tttctcaatc atcaaagttg tgacaagtgt tacacatatt 360
 tntatttata gcctangtga ctaacttggt aatntcattn tcatttcatg tgaatntaaa 420
 agaaatattc caagaat 437

<210> 33695
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33695

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 aagaaaatcc caaagaaaaa acgtccgatt gattttttta tattatttta ttcaaagata 120
 ttttttgatt attatattat tattttgcct ctttttggtt ttaaactgtg ctacgccatg 180
 atagatcggg cggtatattat tctaacagag attaaaagat gttacaactc aaatgatcgg 240
 tggaatttta ttttattttt gattaggcga gaaaataaca taaataaatg actaaagcac 300
 gtcaaaaggg ggtacggaaa gtaaataaaa taaaataaaa agcatgtgaa acaagtgggg 360
 accactaagg gcacatagaa tgaatt 386

<210> 33696
 <211> 445
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33696

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 tcttagtgga aagcctaaat gtgtaggat gggacatagc ccagattggg ttgaactagt 120
 ataattcttt ggtgtgttgt ttcctttctt acctcttaat tatcatttgt tgttgcgac 180
 ttaaaatctg ttttagaaaa acctatttta aaaaatatta atattgattc ttgttcaaaa 240
 ggtttttata aaattgtttt atcattcaga agcaaacct actttgagta agaaaaaaaa 300
 tagaaactac tattttgcag attntgtagc tttttcttag taggtntta agcaatattg 360
 aactgcaaga ctacttgga gatttacttg aaatattatt tatcaatact tgtaatacac 420
 aaatactctt gttgactttg attct 445

<210> 33697
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33697

aaggcgcaaa atctgtctct gcgcatttat caccgcctc actgtctctg aatgataaag 60
 ggcgcaaaat ctgtctcttc atgtttaccc aatcagcttg ttgttcttga atgataaagg 120
 gcacagaatc tatctctgcg cgtttagcca ctcaacttgt tgttcttgaa tgataaaggg 180
 cgcagaacct atctctacgt gtttaccac tcagggttgt gttcctgaat gataaagggc 240
 gcacaatcta tctctgtgtg ttaccact tagcggtgtg ttctgaatg ataaagggcg 300
 tagaatctat ctctgcgct ntaccactc agctcggtgn tctgaatga taaagcgcg 360
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<210> 33698
 <211> 463
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 33698

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actaattgtg ctcatatttt ctcaattgat ttacaatttc attgaactgt cattntctct 120
tgttgtgttc ttatataccc taatcttttt ttcttttttt tttaaatagt ctttggaag 180
atgcacgct tttacctggc ttccagcttg tttaaagacc aatcagaagt tttgttctat 240
actctatagt gctaaaaaaa tggagtattt tgcatttgga attttgatt gtttctctga 300
aatatcaaac cctgtaaata cagtttactg gtttgctcta ggtgaataga agtgtgcaag 360
tgcaagaaca attgngtagg aaaagtcttt ttctttctag ataacatana atgggagact 420
gtattatttc ggatcagata ttcatntttt agttaatgct ctg 463

<210> 33699
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33699

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ttacaacaac cataaaaaat ttgaatttaa atttcaaagt tatgtaatcg attactagt 120
tttaaattatt caaatttcaa atgcgaagag tcataactct tcagaagtaa ctatgtaatc 180
gattacacca ttatggtaat cgattactag taaggatttt cgaaaataat tcccaatagt 240
cacatctttt catttaaatt ttgaatggcc atcaaaggca tatatatatg tgacttgngc 300
acgaaattnt cttagtntta cttgctcaaa aagtcttate ctctcaaag attcaaagt 360
tcttatcatc taaaattcct tggccaaaac atttgtgatt caataaggaa ttatttgagt 420
gcttcattgt acaatctatc tctntcaaga gagatntctt cttctcttct tctta 475

<210> 33700
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33700

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 ggggtggaccg attngctctt actttgaaca ggagtcaaga acttcccca ttgctggcca 240
 aggtcaaagc gatggcggac gcctactcca ccncgagga gatccacaga ctctcagct 300
 attgtcagca tatgatagac ttaatggccc atataattag gaaccgctag gaagtttgta 360
 ggtcactcag atcttgact 379

<210> 33703
 <211> 380
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33703

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 gagacgctcg aattgaattc gaagcttgag caattcaacg aaataacttt ttactggatg 120
 tttattgaat ccāaatatat cgacagctcg aatagaatct gatgcttgag caattaaacg 180
 acataacttt tactcggatg ttgattggtc ctgaatatat ccacacgctc aaatgaatac 240
 cgaactctga caaattcaaa gacatacttt actogatgct gatgagtctg aataatgaga 300
 cgctcaattg atccaagctt gacaatcaac acatacttta ctcgatgtga tgatccgata 360
 tatcacacct caatgatccg 380

<210> 33704
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33704

tctataccac tgcctttgga catatataga gccnggtttt cgcggttctt aaaacaaata 60
 aaaacataaa aagtttagcta gattaataag acaaattgaa agcccgacta gcttttgata 120
 tttttgtttt tattattgaa aaaaagatta ctgaaaaata actctaaact cttgatcatt 180
 tgtgtcaaac caaagtggca gcttaattag tttctttgtc caactcgacg tacgtttatc 240
 taaaagaagc agcaacaagg gtgttctaata aaattcctat ataggttgga gaacgagatg 300
 aatcatgcat gatatggatt tggacttac gcaagaagac atagtgtggt tccagaaatc 360

tagaactaaa tggattcaag atggagaccg taccaagtat taccatctc

409

<210> 33705
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33705

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tccttngaa aggcattctt aaattcctgc aataagggtt gaacactatg agaaacataa 120
atgggttaact gagtagaatt atcactctct ctctcttgtg tatcactctt ttctcgggt 180
gtatcactct tctttttcat attccttgtt ggcgcctcac tattttcttt ctcttgttct 240
ctcttttctc tcattctgat ttggatcatc cacacttctc taggggatag aggtttaaga 300
gtaaacgagg aagatttggc tattcgtctg tagggctctt ctttgttacg gctcaacaaa 360
cgttgcattt gtgtagtcca cgcgtccaaa aataagcgt gagattcgtc cagtngatga 420
tatacaccac catttgca 438

<210> 33706
<211> 460
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33706

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tcttatgaaa agcctctcta tgctntgaac cctcagtagc acttactact taactcacac 120
aactacantt tgtgggtaca cacaacctta agaagcaaca atctcctaac tagtctcctg 180
aggttcccta tcctaaatgg attctatnta agggcaggta cctaatacat ctacaggaa 240
aaacccatca ataagcctcc ctccccaaa agatgtttat agactcatta aggctagata 300
gaattttctc tanagttcta gagagtccga gctaaggaaa ttagtataaan aaactaatga 360
tatatattta caattgttga gaaaagtccc tttangaata aatgttctaa tgatgacaaa 420
caccatgaag cnaacacaaa tactaactta gttactaatg 460

<210> 33707

<211> 479
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 33707

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 gtgaaaatga gaatgggtaa atttggagca aactctcact tcaaacaagt ctatatcatc 120
 aatctaaact tgctcaaact ggttttacgc ctaaaattcc accgaatcaa aatttgactc 180
 ctcaacacccc aattttttacc ctagacatgg ttcttgccctt cactttgggc atttgttttc 240
 ctctcttgca cagcccaagc tttctcataa gtcctaaatg acatttcaaa ctaagattaa 300
 ctcaactntaa tctccattta ccactgaatc cagatttggc cttccaaacc ctcanagcat 360
 cacactnttc cactcacagg actacattct cacttttctaa ccctangtta actctaccct 420
 tcatccctag tagtnttcca tcagcaatth cagtacataa acatcacaag catcatcat 479

<210> 33708
 <211> 417
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 33708

 ntntggagta gaaacatggg accaactcat tgtatgtctg anagtcgtat ctattcaaga 60
 tctgagagac catacaagtt ttctagcgat ttctaattat gtggggccatt aagtctatca 120
 tatgctgaca atagccgaga agcccatgaa tttcttcgag ggccggagtag gtgtccgcca 180
 ttgccttggc cttggctaac aatcgngaa gttcttgact cccgttcaag gtaagagcaa 240
 accgatccat ccacatggtt gcctcttggt gtaaagagtc gatcaccctt cctctagcct 300
 ctttttccgc gtatatttgg gcataactcgt ccgcgaccct atgctcgtgg gccgtggcta 360
 gacctaactc ttcttggtac ttggcgatga tagctagcat gttggtcttc gtctcgc 417

<210> 33709
 <211> 475
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 33709

actcatgaag gtagtcgttg actctaccct tctgagngag nctgtataac attccctttg 60
 gatcatcata gaaggtagga gcaaagtgtg actccaaagc ttgcaacagg gaggaacaca 120
 aggtgattaa gccattgtga aacatccatt gaaaccaact aagagcaggt ccatccatgt 180
 aaaatgaggc catggtgatg cgctcctcgt cgagggtgtt atggtagtaa aaaaattggg 240
 agatcttgaa gatccatccc atgggtgtcgt ggctgctaaa acaagggaac cttgagcttg 300
 atatgtgggc gtggatgggt atgagatggt gatgggtgtan gagaaggggt gggctgagtt 360
 ggagctggtg tagttgttcc tgaatggaat caagacgaat gtgaggtcat ggtgggcgtc 420
 aatgaagggtg gattgattct gtgtgaggag gaggatagct tcttctaate gatct 475

<210> 33710
 <211> 388
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33710

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 gtaaaaaaat tatttttggg aatataattg tcagttgatt tttgtggggg attctattgc 120
 gataaaaactt gtttcccttt tggattaata actatcttgg tttgcttggc catttgaatc 180
 tgcttttgaa gttctgtttc agaatcgtca tcagattctg aggcaatttt tgcccaagtc 240
 tttntggcta agatggnggt tttggtcagg cccatttcta ggagagctta tagtgtttct 300
 actgaccaag catagtcggc cgatgtttgt ttggcggngt ccagtttgng ggtttcctga 360
 gtggatgact cangtttgac tgagatta 388

<210> 33711
 <211> 416
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33711

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 agtttagcta cacacacca tctaaaaact aagctcacct cttgagaag ctagagctta 120
 gctacacacc cctataatag ctaagctcac cccatgacaa aaaaaacatg aaaaatcgaa 180

aaaaatccta ctacaaagac tactcagaat gccctgaaat acaaggctaa acccctatac 240
 tactagaatg gccaaaatac aaggcccaga agaagaanac aacctattct actattttacg 300
 aagaagagtg gacccaacct tggcccatgg gctcaaaaat ctaccctaag gttcatgaga 360
 accctaaggc cttctttatc aactctagcc caatgctctt ggagcctctt gtcacat 416

<210> 33712
 <211> 409
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33712

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 ctggagatat gtcgcgnggg tcaggagacc ttgngaacgt cagggtggggg gctattgccc 120
 aaaaccaagc ttgaccaatc ccgacccaac ccgggcatag tcagtcagtc agaacctgtg 180
 atgtacctaa acaggcgagc tcctngcagc caacagataa aaggaacaaa gaccacaaag 240
 caaggaggct tgtgtggtgg ctggccagct gtgaaacttg attgatatat gggatgtggc 300
 ctctggtaat cgattaccan aggtgggtaa tcgattacaa ggcttataaa tgaagacagg 360
 aggctaagat ggtctctggt aatcaattac cacggngtgt aatcgatac 409

<210> 33713
 <211> 338
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33713

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 agttgcgtgc tgccccctct ctctttctct cctctgtct ttacctccat tgaagcatcc 120
 tctccaagct tctatacaag gcttatcttg gtggagaaac tccttcttgc atggcttatt 180
 ccttaccgga tggcgctcc tctacctct tctactttgt catccgctgc atctacatgg 240
 tgcgaaatca ccattanagg acctcattga tgctgagaga tgcagccttc atagaagtcc 300
 acaagccagc ttccatcaag tgatatacga gcacatga 338

<210> 33714
 <211> 341
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 33714

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 tcactttgggt taattaacat gaaaaatgta tcgatatgggt caaagtgaaa aattacattn 120
 ttaaagatgc gtttttcact ttaaaacgat tgaacccttt ctttctttct ttcttttttg 180
 ttaaagatga cagattcaac ggccgaaaca atagacataa actttaaaac aattatataa 240
 ttatgattgt tttggatata tcaagctcaa acaatntgta gtggcttttc ttttatagaa 300
 gaacccttca aaagagaaac aaaggatcta catatgtcaa a 341

<210> 33715
 <211> 391
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 33715

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 agaagaatgt ggcatttacc ttgggtgaaa aacaagagca agccttttgc ttgctcaaag 120
 aaaagcttac taaggcacct gttctagctc ttcttgagt ttctaaaact tttgaactag 180
 aatgtgatgc ctctggagtt ggagttggag ttgtattgta acaaggtgga caccctatta 240
 cttatttttag tgaaaaactt catggtgccca cctcaacca cccacatat gataaaatgc 300
 tttatgcctt aataagagcc atccaaactt gggaacatta cctttgttcc aaggaattnt 360
 gtattcatag tgatcatcaa tcacttaagt a 391

<210> 33716
 <211> 464
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 33716

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aacgttttag aagtagtta aattatctat aaaaaaagc aataaaaatt ataaattttt 120
 ttacaatatg taatttaa at taatttatac taataaaaaa ttgtgttttg aaatatatat 180
 taatttaagt ttagaattct attgatttaa gttttgaaat atgtacaaca ataattttt 240
 aaagcaataa ttgactttgt gatatataga gtgggtatta atcgatcaaa tttgatctaa 300
 aattatcttg cagtgttttt cttttagtta aaagttactg taatattaaa gttcaaaata 360
 agaattttta aaataaaaact gaagatngtt tgccttatat ggtacgagtn ttttttcata 420
 tagtcccgta ataattgact tatgtcattt atntaagatc agat 464

<210> 33717
 <211> 312
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33717

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 atatatatgt tggccagcac atattcatga cccttagatc gcttagatgc aactgatgc 120
 tagaatggca gagttaagtt catgacatgt ctacagctaa ctcttatggg atgaagatag 180
 agattaataa atggaataat atccactgca ctataaagag actatactct ctgatctcta 240
 tataatatat taggacacac catagactaa tgagagatct ctactataca aagattacgt 300
 tgaccctgtg at 312

<210> 33718
 <211> 325
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33718

tgctcanag aggtccagga aggacaatgt tgccgaatga actagttccg ctccggagta 60
 cgacagtcac cgcttttagga ggcgtgtaca ccagcagcgc ttcgaagcca tcaagggatg 120
 gtcgtttctc cgggagcgac ggcgtccagct cagggacgac gagtatactg attntcagga 180
 ggaaataggg caccggcggt gggcaccact ggttactcct atggccaagt ttgatccaga 240
 aatagtcctt gagttttatg ccaatgcttg gccaacagag gagggcgtgc gtgacatgag 300

atcctgngtt aggggtcagt ggatc

325

<210> 33719
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33719

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attgaaggaa gaaaaaggga gagaagttga actttgagtt gtgtctcaca agactcccat 120
tcatcaaagt tacaacaagt gttacacatg cttctattta tagactacgt agcttccttg 180
agaagctttc ttgagaaaac tttcttgaga agcttccttg agaaaacttc cttgagaagc 240
tagagcttag ctacacacac ccctctcata actaagctca cctccttgag aagcttcctt 300
aagaagattc ctaacgaagc tagagcttag ctacacatac ctctctaata gctaagctca 360
cctccttgag atgagaagct agagcttagc tacacacccn ctataatagc taagcttacc 420
cccatgacaa anaacatgan aatacaaaaa anagtcctta ctaganagac tactc 475

<210> 33720
<211> 491
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33720

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atgaagattc ctaaagtagc ttgagcttag ctacacatac ctctctaata gctaagctca 120
cctccttgag atgagaagct agagcttagc tacacacccc ctataatagc taagctcacc 180
cccatgacaa anaacatgaa aatacaaaaa aaagtcctta ctacaaagac tacttaaaat 240
gccccgaaat acaaggctaa aaccctatac tactagaatg gccaaaatac aaggcccana 300
cgaaggaaat acctattcta atatttacia agataagcgg gctcactt agcccatagg 360
ctcgaaatct accctaaggc tcatgagaac cctaggacct tcccttgat ctctagccca 420
atctacttgg agtcttctac ccaatgcct tgcggagtag gattgcatca ctctctttcg 480
tagcttctat g 491

<210> 33721
 <211> 476
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 33721

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 gatatcttaa gaaggcgggg gttgaattaa gatattcgaa actatgtctt ctaattaaaa 120
 atctatctta ctttctactt aagttatgaa ttcccttaga gacaatcttc ttaaataatta 180
 attcaaatga agcaacttga atatgaatat aaagcaataa taaataaagg agattaaggg 240
 aagagaaaat gcaaactcag ttgtatactg gttcggccac acccttgtgc ctacgtccag 300
 tccccaaagca acccgcttga gagttccact aacttgtaaa ttctttttac aagttctaaa 360
 cacacaaggg acaacccttc tttgtgtag agatttctac aacaagagac tcacagtctc 420
 ttaatccctt agagaatgag aagaagaaga ggaacaaatc tctcttgaaa gagatg 476

<210> 33722
 <211> 490
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 33722

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 cttgataaag gtttaatccg gaaaagcaaa agcccggtgt cctgtgcggc tttttatgtc 120
 aacaaacatt ctgagcttga gcgtggaaca ccccgtttag tcataaatta caaaccactg 180
 aaccaagcat tacaatgaat tatgtaccct attccaagca aaaaggattt acttaacaga 240
 ttaaattctg caaagatatt ttctaaattt gacatgaaat ctggattttg gcaatccaaa 300
 tccaagagtc agataggtag aaaacagtgt ttattgtact tttcgggcaa tacgaatgga 360
 atgtgatgcc attcggacta aagaatgcc cttcagagtt tcanacaatt atgaatgata 420
 tttntaatcc ctattcaciaa tttgtcattg tctacataga tgatgtgtta atcttttccc 480
 acaacattga 490

<210> 33723

<211> 246
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33723

cggcggctgg catggccatt atcaccgcac gtaaagtgtg tgatttggct tctttcacgt 60
 taaaattatg gattgataat ccgtaagttg tatacaattt acgaattgat aatccgtacc 120
 ttgtatataa cttaccaatt gatcatccgt atgaacctta cngattctca atctataagt 180
 cccttttaat ttgttttaat attctcttat tgacaatcca tatgacttat atagattgct 240
 gatcca 246

<210> 33724
 <211> 460
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33724

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 tatcgagacg ctcgaaattg aatgttgatg ctctgagcaa attcaaacga caataaatct 120
 ttactcggat gtctgattca gtcccgtcac atatctagat gctcgaaatt gaatgttgat 180
 gctctgagaa aattcaaacg acaatatctt tttactcgca tgtctgattc agtcccatca 240
 catatcgaga tgctcgaaat tgaatgttga agctctcagc caattcaaac gacaataact 300
 ttctaategg atgtctgatt gagttccgta atatatcaag acgctcgaaa ttgaatgttg 360
 atgctctgag canattcaaa cgacaataac atcttactcg gatgattgat tgagtcccg 420
 attatatcga gacgctcgac natgaatgtt gatgctctga 460

<210> 33725
 <211> 478
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33725

cttcagctcc tctgacattc atttgangaa ggagcnnctt cattaccttc atccttggct 60
 tgtctacctc tatccactta ctaaaaattt atgccccagc actattcctt ccttgcccat 120

gaaatgacat tttctcccat tgagaactaa aatagactct tcacatcttt ataatactct 180
 ttcaagattt gatacgcaact catcaaaaga tggcccaaca acagaaaaat cattcataaa 240
 cacttcaatg cctttttcca ccatatcaga gaaaatngac atcatacacc tctganatgt 300
 agatagggca tgcacagac cannaggcat gcgcccatat gccagtacac ccaaanggca 360
 cgtganagta gtcttctctt gatctttgcg atctacaaca ttctgattat agcccagata 420
 cccatccata naacaatant aagaattcct ttgcgagtct ttcangcatc tgggccag 478

<210> 33726
 <211> 472
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33726

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 acattggcat ggagagcctc ttgaacatct tttctattaa gatatgcgta cacataattc 120
 tcaactacatg gatcagtcac aatctgcaaa acaaataaac atggcttcaa ttctagttaa 180
 gttcatgctt catgcaatgt tgagttttct aaaatctatt aggccagcca aatatttgaa 240
 gcttactgtg ttccttttgg gcagggctgt gagatttgca ttcttgcata gtggagcata 300
 aatattgtat aaatcaatgt attcaatcct ccccccaagt tcactctcgg ctgcatcgca 360
 cacactntcc tgaatctttg atgatgatga atcacaagct ntgttgagat aagctgctnt 420
 gtctgagatg attgcatggc tggcaagata atcatacagt ccgcccgagt ca 472

<210> 33727
 <211> 435
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33727

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 tggatgagag gaagtgtgat tttcgaaatc tgcactttgt gcagattttt gctgtgaaat 120
 tgtgcagcag gattttgcac aagtgcagaa aaatgctatg tatttgctgg ttgtggaaag 180
 agtaatgtag aatgagttct ggatgtttgc tagtagatcc caacgggtcaa aatgtangct 240

tatgtactat agacttctag taaaatgttt gagttgatcc aacgggtaac gaattggatc 300
 gaaggaattg ttactggggg ctataagtga gaaaagctgt gattntgggt ggtgtgttga 360
 gcagagtttt ctgcctttgc cctgttntgc ttggctgtga tagctngtgc tgtttgaatg 420
 ttgctnttct tggat 435

<210> 33728
 <211> 464
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33728

tangggcagg tactatcagg ttctangccc atgatcattc tatcaccacc cccgcgttcg 60
 gctaaagata ttaaagaagc tctcctagga ggcagcctag tatctctaac tttgctcttt 120
 aatttctgt ttcatacttg ttctttttct tgaactatat cctgaattcg cctaagttta 180
 tatgcaatta taggatttta agagaaaaaa tataacaatg aataacacaa ttttgtaaag 240
 gattttcttc accaaaaaaa taataattac ctgcgttggg cgagtggcca gctgcctan 300
 gcgagcatgg ctatggtgaa aaacataaaa aggggagggg tgaagccatt ntcacctat 360
 tcttgcccaa aatcaaaacc tccncaaga gcttacggga gccaccattg gcagcagccc 420
 ccaagcttcc tttgtgcact ttttggttca ttttttcaca ttcc 464

<210> 33729
 <211> 478
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33729

gattaaatct gtatgtataa cgaattctta ttaatggatt tcaattntag gtaaggtcta 60
 taagggtacc atgacaaata atctgaatgt tgcaatcaag catataatca atgatgatgg 120
 aaatgtggac acttttgtca gacaaattac aagcttatct catggcagac accctaatat 180
 cagcagttgc aaacaatcac agtttacttg gtgccaactt anagtggaat taaacaagga 240
 atatacttaa agtgcataaa aagttaaata atgctcaaaa taggcaatcc tagcttaaat 300
 cttacccttt ccttgatgtc acccanagtc ggcaagtaca acttataaaa ttcctctcta 360

aatgcaacca caaacctaaa taaagtttag aaaccagcaa gaataagaca attaanatat 420
gtgaattgta taaatntaag ggacaacaag atacatctac tatattatna gtatttca 478

<210> 33730
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33730

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gtatgtatac atgattntga tgatgtcaaa agaagaatca aacaaggctc attntgcttc 120
aagattaata caagattggt tcaacaaaca aagccttgat tcaagatttc ttcaagatca 180
agccttgctc cacaatgaaa gggttcaagt cattcaaggc acatgtaatc gattaccaat 240
acatgtaatc gattaccaat gggttgaaag tgtgtaatcg attacacatc atatgtaatc 300
gattaccaga gactctgaac attgngaatt caaatntaa atgaagggtc acaactgttc 360
aagaaaaaca attgtgtaat cgattacact aattctgtaa tcgattacca gagaggattn 420
tcaaggaata tcgtcaacag tcacatctta tcat 454

<210> 33731
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33731

ctccgcaaga cctatgaaaa gatctngat ctagctatta tagaagtctc catttaagct 60
attgcatctc tcaactcagta ttacgatcag ccgctaagggt gcttcacgtt tggggacttt 120
cttctagtac caactgtgga agagtttgaa gagatcttgg gatgtccgct aggaggaaga 180
aagccatatc ttttttctgg gttctatcca tccatgggtga gaatagccaa ggtagtcaaa 240
atctcggcgc aagaattgga ccgagtaaaa caaaatagaa atgggggtggt cggaataaccg 300
aggaagcact tggaggagaa agcgaaggct ntggcggatc aagggtgaatg agctntgttc 360
attgacgtct tggagctatt ggtatttgga gtagtccttt ntccaaatat ggatggattg 420
gtggatntag cagcgatcaa cgtcttcctt gcttatcacc at 462

<210> 33732
 <211> 463
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33732

tgcannaatg atagtctcta ccaaagtctc tntccatgtt atatctaaca ttttcagttg 60
 aatagaaata tgggtgctaac tntaagtggc ctanattagt aaaaggacat gctcccactc 120
 tgaatgatac ttctcataa aaaacaaacc attcattttg aggaagaaa aggagaacaa 180
 aataagaaaa agaaatggac agagaaagac actcaggcta aggatggtac taactaagcc 240
 tcgggttaaa cagcttgtct ccatgtcaat aactaaacaa ctgtagagga tgtcccattt 300
 atctaattca tctttgaata gaaatggcat tcctgacct tctagacatc ttcattgagct 360
 tgactagaaa tctccggttg attatccaag ggcattgtatt gngccataat tgccttattc 420
 tcagagtcca tatatctctg cagaaaaata tttctcatgt aat 463

<210> 33733
 <211> 485
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33733

tattgatctg actatgtttc taattattat aaattgattt atttccagcc tattaattca 60
 atccttacta tcttaggcaa ggaaattatg gactgaagag aggaactag gactactgga 120
 tgagttgtta ggaaaacaat gctcagtatt tgaagtcaca ccatgcatac aagtcagcct 180
 attatgtgtg caacanagac caaaagatag gccagacatg tcattagtgg ttttattgtt 240
 gaatggtgaa aaattattgc caaaaccaa gactcctggt ttttactctg aaacagatgt 300
 tacttctgaa gcaaaatctt catcggtaaa tcacatgcta tgctcagtaa atgaacttta 360
 cattacaatt ttagatgcaa aanaggaaac agaggcaaga aaatgccaag gggtcacctt 420
 caaatgtggg atatatcaat tatttgagca ttcataacta gtaaaagttg tactatgang 480
 ctcta 485

<210> 33734
 <211> 466
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33734

tgaggaatct tanggaacta ttatagacac tactatttct gtogaattgc acacatgagt 60
 tgttttacag gtaagggatg aattcattgc aattgggggt taggatgaac atgaataggg 120
 atccttatag gattaaattg agatttattt taggatgttt attgaattat aattttcttt 180
 tacaattata aatacaatat ttttttgttt gacggaccaa ttgatgtcct gatgcgaatc 240
 gggtcataaa attgaatggt cttgttggtt catatttttg acctatgatt ntgattcatt 300
 tattttaata tgatagtgag aaattatttg aggggtttta ctctccatgt tgtgaanaac 360
 gttnttgat aactttntat attaagatta tggaatgatg attcacattg tgagtaagt 420
 acaaattgaa cttgtgatga atgggtgatat acatgtgtat tgagat 466

<210> 33735
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33735

tgatgactat ggtgtgttgt gggacttctc caccaatgta gatctttaat tnttggccct 60
 tacctaacta gccacgatct ttggattggt cttctatctt tatagctcca tagggcttaa 120
 cgtctttaat agtaaggggg ccactccttc tcaattgtaa ttntcgagaa acaacttta 180
 tcttgagttg tagagcaata cttgttggtc aggccataat tctttgagga ggatattttt 240
 ttcataatac ctcttggttc tttctttgta gagcttggat gattcgatg ccttgagtca 300
 aagttgagaa acttcatggc tcaatgagct tttatttcta ataccactgg taggtggcat 360
 tcttnttgt acaccatttg aaatangaa aggccaatgg gtgttttgaa gggtgttcta 420
 tatgctcaaa ggcaatcatc aa 442

<210> 33736
 <211> 341
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 33736

ctcacttagt tatcttccct taagtaatcc tggcttcctc aatgagctct gctcttctta 60
aataaatcgc tatcttgact tgattataat gactaagcat cataaattca ttacttttaa 120
tattctctac acaaaactta aatgatatta atgtaataat tattttctca aaaaggaaca 180
agtatgagaa aatttttaca aatttctata taatttaacc gcaaaatata ttcttaatta 240
gcagctatca tcagccttct ttatttatat gttgctcaac ttgacaattg ttatccaatg 300
tgatacttca ccttcatact tanactctaa caatattcat a 341

<210> 33737
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33737

ntctattata cattaagcaa ggttcagtgt ttgcattat aagtttgcct aaattagtg 60
tgaataacca gtaaccaaag aaaagcagag gtaaaacttt taaagaataa ccaataacca 120
aagttgtata aagaataagc agaggtgaag aagctaggta ggctctactt ttgaagtgg 180
tactggttca gtgctgaata accagtaacc aaagttaa atgtccatttac tcttactctg 240
atgctagttc ataacatgtt atatgtttgt tccttttaca gcctgggaag cctgggaatc 300
aattcatttg atttaagtag tttatgcatg gaaacgtgtt aaagaatgat aattgaatca 360
ttnttttatc tagtgatga gcatgtgaaa taacaaacga tgtcact 407

<210> 33738
<211> 471
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33738

ntagtggttt ttttattagt cattgacatc tacatattct gagttttagt ctcttccatc 60
tttgacattc tattaggttg ttgttgtgt gatgaacctc tatttgaagg accatgacca 120
cctttataac cttggtaatt ccctttgaaa cgttgttgtg gtcaccttg attctgcata 180

tagtgtactt ccttttccta ttgatagtaa ttggatgttg aacaatgacc attctaataga 240
 ttaccttcat agaaaccata actaagtact tgttgaactt gatgatgttg tgatttgtga 300
 gagcttcccg attaaagttg tgcaggaagt tgaccaatct actntgttaa ggctnctaata 360
 tgttgactta tgagcatgtt ctgaactaga attgaattcg gagtatccaa ctccattatt 420
 cctttcctgt gaacatgagc cctatcatga tgacctttga tatcactagc t 471

<210> 33739
 <211> 452
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33739

tctgtagcta atttgaataa ctccaatcta tgaaccttat taaagaggat tcaattcaac 60
 tatgctctat tcatgtgtat ttaccattca ctatctaagt gtgtccccta gctaattact 120
 acataggttt tttttatata ataaaagtgc ccgaaataaa gtaccagtat ggcaaacaaa 180
 gctaggcaca ttctgatatt tcttgctttg gaatctctat gaacactacg ataaattata 240
 caacaggagg aatccaggct aaaaggaata gaattcctga aataattatt atgacctttc 300
 aaaaagtggg ttcttttaca aacgattgaa gatggactag ttgagagctg gctcttgcac 360
 gatgcatttg gaattacttc aacagcacga tgagcangaa tgattcatcc aaacttgtac 420
 aagaccttaa canatcacag acatgtgtgc gt 452

<210> 33740
 <211> 456
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33740

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 aaggtgaact tgacacaaac ctttgggata aagcttttta ttctcacctc gaaaaagctt 120
 taactaatc agaataaaca agcaatttca aagacataaa aggagtgaga tttgagttct 180
 gaaatgctg aatgcattca aaactctcat tggaaaagaa atccatgtct atgaatttag 240
 gatcgataat ggaacgagag gagaaaaggt ttgtgtaccg tatccgttgt tcttctgatg 300

agaacagcaa ggaagaggaa atggaggagg gaatctatgt ttcctgagcc tcgaagtgcc 360
gctggcttcg actcgaagaa cccttggtgt nnttttatgg ttccctcatt tgagagagtt 420
atntgaaatt tcaatcggtt aaagtgatag agaattg 456

<210> 33741
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33741

attgccttaa tcatttccaa atatgcatgt gaattangat gcatcaatta gaatcaagcc 60
aaggctattg tgcaagcaat caatggggca aaacacacca aatgattata atgatggatg 120
gctcaaattc tcacaaaggt aaaatcatca ctttcaaatt gagctttcaa aactatcatg 180
acatgtagag aagaatcaag gatttcaagt cacaaaatgt caagaacttt tattttcaaa 240
acaattaccc atttcttgaa catatcctat aattcaaaga aaaacatgca aagtcgtacg 300
tgcacacaaa attgacccan aatattaaac taaaaatccg acgaaactaa caacattaac 360
aaattaacac aactaacana ttaacaaaac catcaaaact agcanaacca aagaacactt 420
ccccccatac ttaaacaaca cattgtcctc aatgtagcac aat 463

<210> 33742
<211> 489
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33742

gctctgtgta cccttaaacc gtaaatagtg gctattcata ttatatagcc aaccttttac 60
tctatctgnn gctcaagtt tggaagctga ttaactatcg aatgaataat agatagatag 120
gtgcttgtcc cccgaccatc tcttaciaag tcaataataa tgttgccctt atattgtttg 180
ttgctagagt tattcattta tttatgctta caagttacaa catattgaat actaatgtca 240
ctctcgagat atatcctcgt taagattgta tacaataatg ctacacacaaa attatatgat 300
cttatacgaa ggtcaatgcy ttaaataatt cgatattcat aagaataatc ttatcactca 360
atacatatat agtcatatct cattcaaaca gaattaccta acactgtaat ctataccaaa 420

aaaatatggt gcagaaacaa attacgaaat ttagttcttt atgtaaagt agcattatgc 480
tatttaata 489

<210> 33743
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33743

caagcttcgg aagaaagtga tgacgtacaa gccctaaagg catatcttga aagagccctg 60
gtagtcaaag agaagttcaa gtccatagcc atcacagtct gaagagagta tgatgaacta 120
agggacgtca atatggccat cgatgaagcc ttggaatgag aaaccaagat agccccgacag 180
gaaaaacacg accaacacaa gttntgaggg gctttatagg gcagcaatag tgagctcaag 240
ctccgaaaag gtgaaaggaa tcatcacggg tcaaaggcat gatcttgaan gacgagctan 300
aggcttgcc taccgtcgaa agaaatttgt cccaacagtt aagcgagact gaagggaata 360
tgtgggcat catcgatgag tgcaaagaga agttaaact agcggcgact cacaag 416

<210> 33744
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33744

gtcctgtgc cttctccac catgtctaac cccacacctt tttctacca ctccaccttt 60
ggtcctgcaa aaacctgggt cgccccatca ccgtctgagg accccaccgg tgccctgttc 120
aaactcactc agacgggttc agtgccaaca tacctgaagg agttcgaaga cttggctatt 180
agaattattg gcttgatggc ccccttctg ttgagttgct tcatctcngg tttgacaccg 240
gagatccgcc gcgcagtcca ggcccatcag cctatgactg tggaccaggc caccggcctc 300
gcgaagctct aggagcagaa gctgtcggac tttcgtccac cgtctcgttc gcgtccaccg 360
ccactggccc ctcttcttt gtgttccaac ctgcttccac cgctcttgcc attgcgacaa 420
ggagtaccac agagggcatc gntgcgcctc tcggtttctt ctcttatca cggac 475

<210> 33745

<223> unsure at all n locations
<400> 33747

ntaagtggaa aaccatgata tcttcatatc cttaatgtat ttggagcttt ggaattgttt 60
tgggaataag tgtgggggaa ttttgtttca ctggataaca tgttttgttg gctatgattc 120
atgatgtatt ttgggccata cttgatgtac attttatatt ggtaaagtgt tggacatgct 180
aaatgagatg ctattttctca naggctacag agcaaaaaaa aaaaatcgaa agaaaaagaa 240
aagcaataaa gttgagtga taagatctta aatggcaaaa gaatgattag actcttggtt 300
ctattcttta tgtttanaat ttatcttttag ctctttttat tcntttttca tttttttctt 360
aatatgcact tattcccat t 381

<210> 33748
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33748

tcaaccact gataatagga catagactaa aatacagttg gtagtattnt taggaattca 60
attgatatat gatagtggtc aataaacata tatgatttct aanagcttac atgttgacat 120
tgactattca gtttatacct atataaatta tctaattttg gtgagggtt gatgttgaat 180
taaaaaaac taacggaaga tgtaaaaaat gaaagttttc ttagccaaaa aaagaagtaa 240
tccttaatag catgtagaaa tgtgggtttt ctgtctccga ccgagtttgt tttcttctaa 300
ttggatcaaa atattttaac aaaaattgca ttntgtgcac attcatttat aatatgtaa 360
ataaataaat aaatttaagt ctttgcacac attnttcagt cattnttttt caatgtccct 420
tatntttta 429

<210> 33749
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33749

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atatgggtca aatggattaa ggggtgcttg atgtctacta nggtatcaat ctttggtta 120

ggaagcccaa tgttgaatt tatggtatca aaaggattga gacaaggaga tccttttagat 180
 cccttcttgt tcaatgtggt tgtggaaggc ttatgtgggt tgatgaggaa agcattagac 240
 aaaaaattag attctagttt caatgtgggg aacaaaggag tgaagataaa tctcttcaa 300
 taggaggaca acacaatctt catgggagag gctaccttgg ataatgtcct aaccatcaaa 360
 agcattctnt gatgc 375

<210> 33750
 <211> 445
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33750

tatattagta aaataaagaa gagaataatt agtgctttga aatagtgtga cctacaactt 60
 ttaatctttg attatgaaga tcatntgtg aaaagtgtg ttatgattct ctcttgagtt 120
 caagaagaca ctcatcatt taagcacggt tcttgcaaag gattgatcgg gttgtgtcta 180
 tcgttgactn tattttttcg tgtggtttac accctattag tttgtgcatg aattactgaa 240
 ggcatgctgg aataggtttt tctagtttgg gctaagggtta gggttctctt aagttcttat 300
 tcacaaagga ccctanggtt aggtacctta gtctcttttt tgggggtagg aactgagatt 360
 gcttgtgatg gtttgaaga attctatatg gatagtgaan atctaattcg ggtttggata 420
 aataactgga tagcttctct aatat 445

<210> 33751
 <211> 462
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33751

tgctaaccce tggaagctcc taatatctct tacacttttt cgggtgggcc attcttggat 60
 ggccttgatt ttctcatttc taccaactac aaaacctaag aaaactatat tatctacaca 120
 aaaggtagac ttctctatat ttgcatagag ggtgtttttc ctaaggactg aaagaacttg 180
 cctgagatgt cctaagtgat catctangct cctactgtac actaaaatat catcaaaata 240
 aacaactaca aatctacctt agatccctta agacatgggtg cataagcctc ataaagggtgc 300

ttggtgcatt agtgagccca aaaggcatcc ctagccattc atacaaacca nacttgggtct 360
 tgaaagcggn tntctactca tcaccctttt tcctctgat ttggtgataa ccacttttaa 420
 gatcaatttt tgaaaagata tntgcacccat gcaacccatc aa 462

<210> 33752
 <211> 478
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33752

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 gcatcactag aaacacggct aggagactct tgaaagatta gactagggat gcagaagaag 120
 gccttagggg tctcatgagc cttaggatag attctgggcc catggactaa gtatgagcct 180
 acttatcttt gtacaaatta gattatgggg tattgctagg ggcaccacgc aacattactg 240
 gtgcacccaa caattnttta gaattcccaa aatacccatc accgtatttt tttctacaaa 300
 aagttgggtt atttcattnt tgtttacatt gttgctttct ttgtttctcc atggtagtgc 360
 tgtgcggtat ttggagcttt gagagagttt anggtgttgt tgcgaatcgg caagtgtacc 420
 agatcgca ca agtagtataa aatggtaaga atcgagtatc gaactctcgg ngaacttg 478

<210> 33753
 <211> 432
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33753

tgtagaatgg ctagacatga tacatgtcan ggcttgggtt ggttcaagga ttttatggat 60
 gccccacatt atttccatga cacaaatgca aaaaatgatg atttggaat tttatgcaaa 120
 actggtcatg catgcgccta tgcggacgct caagtgtcaa atttttatgg tcatgtgatg 180
 ctagggctca cgattcattt cctctattct agtcaaccca atatttccaa aatatgttct 240
 tttatcaatt tgtgcattcc tccaagtcca tttcgggcgt ccgngaaaat tttcacagca 300
 ttcacccttc aggtgtagac acgttttttc ttcaaaaatc gggtatgatc aatgaatttt 360
 ttttcaaaga aaagttggaa atcatctctt ttcaaaagca tgctgatttt tagctagaca 420

acttattttc tc

432

<210> 33754
<211> 477
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33754

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tttagccttc tcaatgtatt ctgaacaaaa ttcaatggct tcttctgcaa tgtacctctc 120
aacaatagat gcttctggat gatatagatt ctttgtatac ccttttaaga tcttcatgta 180
tcgctcanac gggtagatcc accgcanata aacaggacca caacatttga tttgtgtgac 240
cagatgcata atcaagttaa tcatgatgtc aaagaaagca gggggaaaat acatctctaa 300
ctggcacagt ataattgagg cctcattntc caactcatca aacttgacag gatcaacgac 360
tntgctacat atggcatgga agaaaaagca caggcgagtt atggctaacc tgacttttgt 420
tggcaagatg tctcgtataa ccacggctaa caattgggtgc atgagcatgt ggtaatc 477

<210> 33755
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33755

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cagattcagg cacataatat atcgagacgc tngaaattaa ataacggaag ctgtcgagaa 120
attcaaatgc tcattacttt tcaactcggag gtccgagtca ggcgcataat atatcgagat 180
gtcgaatt gaacaacgga agctctcgag aaattcaaatt ggtcataact tttgacacgg 240
aggtcagctt caggcgcata atatattgag acgctcgaaa ttgaacaaca gaagctctcg 300
agaaattcaa atggtcataa cttttgaccc gaaagtcaga ttcaggcgca taatatatcg 360
agacgctcga aattgagcaa cggaagctct cgagaaattc acatagccat aactnttcac 420
tcggatgtca gattcaagcg cataatatat c 451

<210> 33756
 <211> 459
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 33756

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 gacaattctc cacatccaca aatcacgtat aaaccaccca tcccctgttg cccacctcca 120
 actgagctca cgtactccca cgtagccctt atcctcgttc ctctcaacgc cgggtcccca 180
 tcaatcctct caagctccca caacatccaa gaaattcaac atcccatcat cacaaactaa 240
 caaaaccaag caaaacaggg caaaggcaga aactctgccc aaaacacaac tcanaatcac 300
 agctttttcac atacaaatac cccagtaaaa tttccttcat tccaattcgt taaccgttgg 360
 atcgactcga anattntact aggagtctct agtacataag tctacattnt gaccgttggg 420
 atctgctagc anacatttag aactcattct gtactactc 459

<210> 33757
 <211> 471
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 33757

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 tacgatecctt tttctcacat cttgactgac tcggctatat catagcaaga gtgagtgaca 120
 agtttagccat aatcgggggg aaggcgcaga acaagagatt tgagctgtga acaagcaaaa 180
 caaggaccaa cacctgctaa agttgggtgaa tatttgacta gagagttggc caaagttggt 240
 gtatatatct ataccgcagc tcttcaaagt tccacgaaat attgtctatc gaaatagacc 300
 tacggagtgg aagaagacca accaaccatt cagaaattca gataaaacaa gatatgccaa 360
 tcgccaagta aaacttgagc tacacgaata aattctctga agacaacnac tatttatata 420
 cgacatctag agtttgcaac ccatactcat canataagaa tatatactct c 471

<210> 33758
 <211> 457
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33758

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 agaccagggc aaaatgctag gagctcaaaa ttgaccctta acagaattta agtaatcctt 180
 tgacaaccct tgatgcaaag ctatagttgt atgaaaaact gtcattatca gaaaattata 240
 ataggatagt caaatatcct ctgttttagtt ntgggttgaa cttgctactt agtttggtga 300
 aattactgac catgacatct tgcttggtat taatgtttat agaananaat gataagtga 360
 atttcatttc cagaagttgt ctanaattct caaatntgct ttccatgtn tactcagttc 420
 ttcaacttct gtaacaatga taaactntta atctcat 457

<210> 33759
 <211> 254
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33759

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 gccccgacac ccgccaacac ccgctgacgc gaacccttg cggnccgcatc gaatataact 180
 atccttgatg tatgctagtc cgacgtaatc aagatgagct cggcttccat cgtcatcgac 240
 ggcgataaca gacg 254

<210> 33760
 <211> 460
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33760

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 atggaaaaga cagacgagtg tggtttctga ctattaatct ttctctgtca tgatcagtaa 120
 tgtaatatgt ttgtataatg gtttatttcg tggaaatcac aattatttaa gcagaataat 180

tttttatagt ttaaagact aattattcat ttattaattt aactaacatt anggtgagaa 240
 ttaagataaa tgtgatgcan aaagcaacat atatctaaca caagctgcta ttattatttt 300
 tatatataaa aaaaacactg ctattagatc atgctggccc attttcaata tgagtttgct 360
 ttagtcagtg aatcctcctg tatgagtctc tgttcaagcg tccacttcat aagtaatcat 420
 gtcattttct ttcaccattg gtacgagtta gtctttccct 460

<210> 33761
 <211> 422
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33761

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 gtctataaca atagttnttg ttagtataat ataataataa tatgatatga agaataataa 120
 tgtataaatg aattacaaat tagaaattac aaatctgtat taagtattac cattagtagc 180
 tgaacgttgt ctttttagtt gttgtaaaat agttttccta cgcttccttc gttcaacata 240
 tttgtccatg agtagttcga tttctgcaac aattggctta taattgctaa acaacaccaa 300
 aatcaaagt tgaaactgag ttaaataagt tgctgtaata ggttgacttt gaaatgatac 360
 caacattata gttatttgca tttgcatgag cgaagtaaga gatatgtatt tgcaatcgaa 420
 aa 422

<210> 33762
 <211> 444
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33762

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 actccactag cttctccatt ctatacttca tattcactgg gataaaatga gcagatttgg 180
 tgagtcgatc tactataacc cacacagcat catgtccacg actagtcttg ggtaaactag 240
 atacaaaatc catagatatg ctctccatt tccattctgg aatttccaat ggcttcaatt 300

ctcttgatgg tcgctggtgc tcaaccttag ccttttgaca tgtcaaacaat cttgctacat 360
 attcagctac atctttcttc atgccatgcc accaaaaact tctcttcaaa tcttggacat 420
 cttagtcatt cctggatgga aact 444

<210> 33763
 <211> 109
 <212> DNA
 <213> Glycine max

<400> 33763

agccctttca ttttattaga tgcgctcgt catgaaattg gtcgatgcaa aattcgacat 60
 tgggtcatac ataactaaaa ctgatgatct aagacctcaa tctaagatt 109

<210> 33764
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33764

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 atacttatag catcttctgc ataaaaacca ccacttcttc cacatctaata actatcaaaa 180
 tcataatcct ctccacctt atactcaatc gactttctcat ctcccttatt gtcattgtca 240
 tcactttcaa cntatcctc tccatcttna tgcataaata cattaccata cgcacacccc 300
 aacacataaa acgaagctcc caaatcgccg aataaccctt ctctactat tatgncctnc 360
 aaaccctaca aaataacaca tttcaaaaaca taaataaata catagc 406

<210> 33765
 <211> 484
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33765

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ccattccctt ctcccttgaa tagctcctcg ctgcttcttt ctttgtctgg accaaaaacg 180
 taatntgctt tgctaaatct tacaagtttc ctttacattt tccattttgt ctattatgcg 240
 ttaataactt attgattaat ttgcactgat ttgatcatgg ggacatgtat taaacgatgt 300
 ggattacata gttatatatc ccatatcgac ggtattataa catatgacga tttatgctgt 360
 ttaagacact aaccatattg attatacgta tagcatagaa cactatcatt attcgaattc 420
 cggaccacga tgcacatacc tcccttatat acatcactaa tctacttggt ttaactatta 480
 catg 484

<210> 33766
 <211> 401
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33766

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 acagacaaca atgcttgaag aacatcaaaa attgattaca gatctgcgaa cacaaaagga 180
 tgatgcacac aacgaacatt caaaaacact gcaacgcaag ggggattcac tgcgaaagaa 240
 aaagtgcaca gacnacaaat ttaacaaatt caatctccat tttctattga agtccagaat 300
 gagagaatct ctgaccacta tcatcacgag taactcgtgt tcacaaacag tttttacaac 360
 atatgtctta cgaggactct gtcattgtat taatacagat a 401

<210> 33767
 <211> 422
 <212> DNA
 <213> Glycine max
 <400> 33767

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 cctcacgaag ctttttttgt ttgtctacat cccacttttt tcatccttct atccatctct 180
 tgtttcttgc attgtgaacc aatggtacat gcacaaccta gacctattga tgacttggtg 240
 ttaaacttac aagacaatca tatttcgaat caagtgtgag aaggccaaga gagaatgatt 300

tgtctaaggt ataatactat ttgggctttt acacacttag atcggataga taattgtgtc 360
 aaagacctaa tcgctgtagc tgattctgct catgttataa atgctggaaa aattgatatt 420
 aa 422

<210> 33768
 <211> 230
 <212> DNA
 <213> Glycine max

<400> 33768

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 cttgatacga caaaaatagt tactaaatat gattttttagc tactcaaaaa ctctcataac 180
 tagcatatctt actgaaaatt gatcacaacg tgaacattga gaactttggt 230

<210> 33769
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33769

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 tgggtgctcc cctctcctct tctcctttgc cttccgctgc atctccatag tgtaaaatca 120
 ccattgaagg acctcattga agctcaaaga tccagcctcc atagcagctc cacaagcaag 180
 cttccatcaa aatggctttg ggatggtagc ctcagatgac tcctcctcca tatgctgagg 240
 tacctgngct gtggggacctt cgtcttcctt gtgaagagaa nggtgggtcc caggccaggc 300
 taccatctca ttaaactggt ctactgaagg gatagagttt tgagggtgcca ccatatataa 360
 acattgcagt aaaatgatct gtccctgatg aatgctctga agcatagtgt cacaacctac 420
 ccttcngcgg gagggcgaca cgaaggctca cgggtgca 458

<210> 33770
 <211> 492
 <212> DNA
 <213> Glycine max

[illegible]

<210>	33771
<211>	364
<212>	DNA
<213>	Glycine max

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cacccattta	catattttaga	aaaggatcta	gtaaaaacaa	tcacttttcc	attcattgga	180
gacatattta	aattacactt	agacatttcc	ttatgctttg	ttgaattaca	caaaatatatt	240
ttatttttact	cttacaatga	cttctcttat	agatggatac	atgtgtaata	tttnttacac	300
cttaaagaga	gagagtgtat	aacgcacaaa	gaacagtcaa	tatactggtt	ttaaaacaat	360
tata						364

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<223>      unsure at all n locations
<400>      33772
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14066

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 ttaacagctc tatagttggg cctaagcttt acagtttcta ttttcgtaag gctttgtgtc 240
 ttttgcctt gaatttataa tacaaggatc tttcttcatt tgccttggn ctctacccat 300
 tctcattcat t 311

<210> 33773
 <211> 264
 <212> DNA
 <213> Glycine max

<400> 33773
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 ccaggcatca gactcctgta aactcacatt tgtctccaac tgtctgaatt aaagaactcc 120
 aatccatcac cacttggccc agccatttga tctttctttc tactacactt taaatttggg 180
 ataactttat tcaactatga ttatatcaga acctaacacg ttttgcttca cttcaccaaa 240
 ttgatactcc cttgctttct cctc 264

<210> 33774
 <211> 418
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33774

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 aatgagctgg ttgcaaaaat tggcaaaactg actattcacc taccatgca acttcaatac 120
 cacctaataga tcatgtctat ttggattttg aatccccatc accataaaca gatcccacac 180
 ttgctgggct ttaatacaac cttcgcaaca atagcccata tgaatgcctt tccacataa 240
 attttgaacg ttgagcacc atgctcaaga ccttggtcgc caaccaacc acataccata 300
 taccacatct cctcaaattt gatatgcctt tggtgggtca aaacattatc aactacgtcc 360
 aattatgaag tgactccttt aactagcatc aagtccttgg tagtcacttt tctatcca 418

<210> 33775

<211> 358
 <212> DNA
 <213> Glycine max
 <400> 33775
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 ccggagcgtc tagtggtcat agccgatctt gacgagctta tacgctccta cttaagacat 120
 tcctcggata agttatgaac ataagaaatt ctaccgacc gccggagtta tattatccgc 180
 gaacttctgt gagaatcact tccgaccgac ctggcgtgcc gtagccacga cggtaagcat 240
 ttagaggaac ctactagtgt aataatcaaa cagacatctt ttagtaaaat cccgcggaga 300
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<210> 33776
 <211> 488
 <212> DNA
 <213> Glycine max
 <400> 33776
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 tctaaccaaa atcatgcctt cgcttgccaa gaaaagatgt gatattacag cggtagaacg 180
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 gatgtggctg cggtaaaacc tatttcacat tctctaaca taccacatc ttccacattt 360
 cattatccga gacaccata atcctgcaaa actgcatcac tgacctttca tacgctctc 420
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 cgcttcg 488

<210> 33777
 <211> 381
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33777
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<211> 364
 <212> DNA
 <213> Glycine max

<400> 33782

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 gtaggattga gtagttcatc ttatttatca atgttatcag tgctacaata ctctttttcg 180
 tcattgggta tcaatgataa gacaataatt tattttgtca acaatatctt ttttagaggc 240
 aagaacaact cttttttgca agtaatctgc gttgctatag ttatgtgtca agttgggata 300
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 gatg 364

<210> 33783
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33783

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 caacatgggt ggctcgtggt gcctaacaca tgaaactaag aatgtagtgt gaagtttcac 180
 gcttccccct tttttgtttt tgttttgtag agggaaaacgc aaggatgagc aaacatgaaa 240
 acaaattgta tgcaattttg cagatcaaaa agtttggtga acgcatatgc atgatgatgc 300
 catgactcat gcaaaatgtg aggctggaat atgataacgg acaaatgcag gatatgtcca 360
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<210> 33784
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33784

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 aaggtgtatt tattacttac atcacacaca tctccttggc taaatttaca tacatgcata 180
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 gctgactaan attgtagtaa aagggtatata ttctttctgt aatgtatttt ctttacataa 420
 catg 424

<210> 33785
 <211> 466
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33785

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 catgagttct ctgcagccat tacaccacaa caaatggca tagttgaaag gaaaaacagg 360
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 gctgaagcca tgaacacagc atgctatatn cacaacagag tcacac 466

<210> 33786
 <211> 466
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33786

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tgatgcacga catatcctac ttacagtatg acagatgacc tcagggatga tccatgataa 240
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 aatcctataa gctgtcatga cgtatatcga agatgactac acctcg 466

<210> 33787
 <211> 452
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33787

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 accattacaa gacctcattg aagctcaaag attcagcctt cataaaaagcc ccacaagcaa 180
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<210> 33788
 <211> 259
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33788

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 ccgcggtctg cggcttcggg ctgctcgcgc ttcgctgatc gcggctgacg aagaacacga 180
 agaatcaaac ggagaacaac aaaaaggcac cgcgaggaag aagaagaatg gctctgggga 240
 agaatcaaac gctccgcgg 259

<210> 33789
 <211> 453
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33789

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 aaagctatgt ctttaagctca tgtgctactt catcgccatc cgatacctaa agtagtgaaa 240
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 atataagcca tcctcagatg gtgagagccg tca 453

<210> 33790
 <211> 325
 <212> DNA
 <213> Glycine max

<400> 33790

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 ttggcaatcg attacatcct ctggtaatcg actaccagag agtaaatttg tttgacacag 180
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 atctaataa ccctttctaa gactctagag actgtcttga tcatccatct tgaatatctt 300
 aactcctttg cttgaataaa ctttg 325

<210> 33791
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33791

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 ccaagtcagg gttgcccatt ataaaatact tgtegggtctt cgagcatgtc gtcagctcag 180
 ttctagtaca ggaatttgga gttgaataaa agccaaatta ttttgtgaac cgggtgcctt 240
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 tagaaagtta aagcattatt ttcatagtta cccaattata atttgaacca attaatttat 360
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 ctcagagttt ggtatatcgt ttgaaa 446

<210> 33792
 <211> 380
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33792

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 agagtcaccc ccaacagcca acaagtcagc caccatttgg tctcccaaaa ggctgatgcc 180
 taggttgcca attgcgcctt tattacaact tgaactaaac ctaactaaag cccttttagt 240
 tgatcaaccc ataacatatt attggccacc caactttaca aggattgcgc cattatctag 300
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 ccatgatata actcacaacc 380

<210> 33793
 <211> 346
 <212> DNA
 <213> Glycine max
 <400> 33793

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 ctaaaagtta taactcttct aaatgggtcct cttgaccaga catgaagagt ctataaaagc 120
 aaggctttgt ttttcattgt caatcaatct ttctaact tttcatata atcatttaca 180
 agccttgaat ctctttgaac ttctttttct tctttgtacc aaaagctttc caaagttttc 240

tggttttcta aaccttgaaa acttggtgcta ttcattcttt tcatctattc tccctttgcc 300
aacaagactt caccaaggac taaccgctg aattctttct gtgtct 346

<210> 33794
<211> 336
<212> DNA
<213> Glycine max

<400> 33794

tacgctttca catacaccga tggattgat ctttctgcat ccgatgatga agatgatgat 60
ctctcggaag acgacgaagc caaaagggtcc agtcagcagc agcaaaggcc tgtttcgaag 120
ccacttgatg tgcattattgc tgagaacgag ttgactaagc gtgacaagca agatctttta 180
gcaccacatg ttgctgagca ggcaaagaag gacgctctca aggatgatca cgatgctatc 240
actgtgggtca ttggaagccg cgcttcggtg ctcgatggac gagatgatgc tgatgctcat 300
gtcacagata taacagtaga caatttctcc gtgtct 336

<210> 33795
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33795

tgtaatctgg cttcttttaa gtcattcatca tgattagtca gattatagcc gcattattgg 60
tgcggtgctag tgtgctatat aactagagag ttctcattgt ccacttcttt tgactttntt 120
cgtacccatc cactatagct agcactaatt ctatattctc ctagggttga aacttaactt 180
taaattcatga agtcagccat ccattgtttg attnttttta tactaaaaca catttttgag 240
tcaaataaaa ttattataag taacaatttt tttaattaaa ttaaaataat tntgtcaaat 300
aattcatatg tctgatttga ttattataat taatgtcctt ggctcaacaa agattatgac 360
aaagcacttt anaaagccag gttatactca catccaaagc atgaccacaaa tag 413

<210> 33796
<211> 298
<212> DNA
<213> Glycine max

aaaggtagtg acgcgttctt cgacagtatt gattacgact tcctcggcct ctgagcctca 300
acggcgaagt actctcgacc cggctcttcg agacatctat gtacccgagg tgagtcacac 360
cgagccccctc gcatttctct atctcgctta gtagagcttt acgatacacc gttgacgcgc 420
ttacgacacg acattgaagc cgtatctctg ctatcccact aataagatag tgatccaccg 480
atcgcg 486

<210> 33799
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33799

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attcaacaaa ggctccatc tttatggaga ggttaccact actggaaaac ccaaatgcaa 120
atTTTTatcg aggcaataga cttacatatt tgggaagcca tagaaatagg gccttatata 180
cccaccacag tagacagaat tacaatagat ggaagcacat caagtgaaag cataacaata 240
caaaaaccta ctgatagatg gtctgaagag gataaaaagat gagtacaata caatttaaaa 300
gccaaaagta taattacatc tgccctggga atggatgaat atttcacggt ttcaaattgt 360
aagagtgcta aggaaatgtg ggacactcta caattaacac atgaaggaac aatagatggt 420
aaaagatcta cgataaacac attaactcat 450

<210> 33800
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33800

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atgccgagta taacattttc tgtttataac ttattgatgt attaattgca ttgatcatca 120
ctgaaaaatg ttagattttg gtgtctcatt tcttgTTTT ataatgattg ccaggatcac 180
tattttgatg tgataaccaa catagttggt ttggttgctg ctgtcctacg tgataaattt 240
acttggtgga ttgacctat tggcgctatt ttgcttgca tctacacaat ttcaaattgg 300

tctaaaacag tgcttgaaaa tgctaggctc ctctttctct cttcttattc tgcgtcttat 360
gctttgttca attacgtact ctatttaaatt gatggttacc tcttggnnta gtttccttgg 420
ttggacaatc agctccacct gaagtc 446

<210> 33801
<211> 369
<212> DNA
<213> Glycine max

<400> 33801

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tggttcctttc aaacacgctt tttgagaact acattgaccc aactggtggt tttctttatc 120
ctacaaagat caaccctcat tatgattcat tcaactcatg tgatgacatt cttccaacta 180
atgaagaaaa caaactactc ccatgtccag aacgccaaaa gtcctcctac gaggaacaa 240
aatgtactct tcaactgcaag agtttactaa acacaaatac catccaattt cttacatggg 300
tttggtgtgc cttatgataa ttgttgttcc ttgcaagcag aggaactgca acagcaactc 360
ttctatgag 369

<210> 33802
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33802

nttatgtctt gctaattgta atagatatta cctatctatt aaagccaagt catggcttaa 60
ggcctgtatc aatcctattc tcttctaaat catgacaaga atgataacaa caaaactaac 120
cataatctca tagttatgaa catgatatat tntctttgac agtacatttg tcccccttat 180
aaaattctct ataacagttg ttgttcatat gggttctgtg gcatgccctt cagaatgctt 240
ttgcaaccag tcttcaatat tgtatttctt aaggtaggaa tagtgcatac cacttctgag 300
ttgatctctg ttatcattca caggtnntat tcttccagtt agatagttat tcaagtactt 360
ggttaaggcc ctttggcaag taactgggga gctctctcaa tgcaatatca taattntaag 420
cagttaatac tatgtga 437

<210> 33803
 <211> 445
 <212> DNA
 <213> Glycine max

<400> 33803

acgccggtgc cttacatcag cctggacgtc ccgcatctct aagcactgac gatgccgctt 60
 ataaactata tccatattct gtgggtcatt caccttaaaa attcttttat ccatctccta 120
 tactccctta ttcctatcct attctgaatc actatgacaa atgatattat ataacgtctc 180
 atgcatgaag aactgcacac ccataacata tattgggcct gattacccat aacctacaac 240
 ggcgatgtca cccctccacc tccactgtcc cccacgtca ccccatatac cgcgaccctt 300
 gcgctctcgc ccccccccca cctccctcgc tcccatcccc ccgccaccct cccgttcccg 360
 tcgctcccag cccaccccca ctcccccccc tccccccctc cacaccctc gccccccccc 420
 gctccgcacc cttccctccc ccctt 445

<210> 33804
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33804

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 caactgttgg caatgacgag ctattatttc tattatttaa aagttcatac tgcaaagagt 120
 cttggacact acgaagctgt tccaatactt cttgcacaaa ttcaacatct aatccaaatc 180
 tatctgtctc caaccatttt cccaatgcc a gtagatacc ttccagatca ttgtctgaat 240
 aaattacatc tgggatgcc a actgaaccaa gagaaccaca aaatttatcc aacgaagtac 300
 agtatgtatc actttttcca ttccttaa at cccacttate aacatgggta caatagaact 360
 tgagagttcc tttcagtttt aagatatcct tgcaagcatt aactagcttt tgagaaataa 420
 ctctc 425

<210> 33805
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 33805

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gacactactc ttaaaacaaa aatggcatac aacctcctcc cataaataca aacatcaatg 120
taaattttaga gcaagcttat ggcgcctatct ccttacgaac gttcacttgc acaagacatc 180
ctattaacta agacaaatgc acccatatac aatcaaggca gcttccttac ctagattatt 240
tacatgtact tccaaggtgt atttggttatt tacatcacca cgctctcttg gctaaatcta 300
catacatgca tactcanagc actntgnggt accaaaaatt gcacatgtgc acatcttggt 360
atttctaata cctatacata cacacacttc atgatgaatc ttgactatct acacaata 418

<210> 33806
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33806

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tgagttcttg ttacattggc aaaaaaacat gttcaaattg cattaattgt tattcaattt 120
agttgctaatt ttgtctaata ttgttgagc atcatgtaag cactgngata tttttcgaaa 180
aagtcaaatt acaatagtga aagaagcatt gcaaaaagga gaaatctcaa gtgagcatga 240
cttgaatcaa gagagcagga aacactaaat gaagctcaca ttatggtaca ttacttagtt 300
tagtttctct tttttcttcc atgattgatg tgcttgaaat aattgaagaa gatgacataa 360
gtttagagca naaggctaaa atatgtgctt tngtaaattc tgtgcaagct tttgaatntg 420
ttttcatctt gcacttgatg aaaaatattc t 451

<210> 33807
<211> 347
<212> DNA
<213> Glycine max

<400> 33807

agcttattaa tgccttacc gtttcacatt gagcatgtat gacaccagt actgatatga 60
tgtgcaaagc tgggactctt actatccagt tgttataact cacacactct taccttgaca 120

gtggtgggat taagagaaac actatcactt gtgaggactg aagattggcg attattgctt 180
 gcgatatgtc attcttgcta accatttcat tagacgcgcg tcctattctg ctactttcat 240
 gatcctatga caactgtgaa cttgagaact gtccaatcca gctctctaca acgcatgccg 300
 ctatctcatg agtggttgatt gggcaactct ataacttttg cttctgc 347

<210> 33808
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33808

tattggnat gaatcatatc tcattctctg ttttcatgcc ttggatttta tntgtaaatg 60
 aattaagcag cttgttgaat aatgagtctg ttatttactt catattaatt ttacgtgtca 120
 tttgctgcag actgattggg aggggtggcta cttcccgctt acgctgcact ttagtgaaga 180
 ctaccaagc aagcctccaa agtgtaaatt cccacaaggt ttcttccacc ctaatgttta 240
 tccttctggg actgtttgct tgtctatact taatgaggat agtgtaagta catctctctt 300
 gataattgca tgactgcttg aaaccaatnt attttttctg atattacatg ctaagcaaac 360
 agttaagaat tataggttta ttgttctata caggggtgga gaccagccat aacagttaag 420
 canattcttg tgggcatcca agacttactt g 451

<210> 33809
 <211> 103
 <212> DNA
 <213> Glycine max

<400> 33809

agagggtgac tactactgga accccctatt gcttatattc accgccgttg cctatttagc 60
 tgtctgtgaa gccatagcaa tacggcctca tataccttcc ata 103

<210> 33810
 <211> 453
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33810

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 caatttcttt ctttatgctc ctttttattg tttaatattt ctgcctactc ttattaaaaa 360
 aaaacaacaa attggtatct agagctctta tctttaaggg atctgtgagt tgagagaaat 420
 cacaatggag ggagaaacat catacacagc aagttcacca 460

<210> 33813
 <211> 315
 <212> DNA
 <213> Glycine max

<400> 33813
 aaagtacata ttacatata tacatatata tatatatata actcagatat gaaaaaattc 60
 ctccgataaa ctttatatat ttttactcga gacaacattt attatacata ctatgaatga 120
 catgaaaaca attattaaca actaaagaat ccacataaca ttaaataaaa aatacaatta 180
 tgcttaaact actataaaga ttaacttcag aacatacaaa ataaaaacta atacaaaggt 240
 ttattctttg tctatgggac atatagctcg aatttctcgt gatttaggag ctgcagcaac 300
 tttgcattcc atttg 315

<210> 33814
 <211> 445
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33814

tcagttcana gcattgaata attaaatatt tggcatttag cttgtgcaca acacaaggaa 60
 cttatgcctt tgaaggggaat ggctatagct aaatgggaat ccaaatttaa tttatcaggt 120
 gctctacact agtgaaccaa atcttcacaa atccctcacc accagtgtga acaaaacatt 180
 acatcagcgt gtgatgattg ttgatgatta tgtcattgcc tcgacaattg tagtatatac 240
 atgtgactca atcggtagtg tttgattctt ccatttcaat ttacacgttt attgattttc 300
 ttctttcata atgcgtgtta atcctacctt ctttntgttc tgtagcaag caaaggaaag 360
 ctaatatact ctntctcttt gttcttttga gaannatggg ggaaacaagt caaccattgt 420
 gtcaactctt cacaccccat tttac 445

<210> 33815
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33815

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 tccatanaat tgaacatcta cccaatcgcg gggctcgata cacacaatac cttgcaaag 120
 cctagtacgg ctgactgaca acaatcaata taacatctct cacaagagtc acatgctcca 180
 tttcagtttg gattcattgc ttcctttgag ttccgcatatc cttcttggtg tacagataac 240
 tccacattct cagcattgca actttaaaca ataaaataacc cattgtcttt cgtggagacg 300
 tatattacag cagatcatatc aggtgagaca atatagactt aactgaccca acattctata 360
 gattatacgt ctgttcaaat actcagactt tgacccacac ctcttggtgag accg 414

<210> 33816
 <211> 445
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33816

tggtggtcaag taggttttct caaaagttgt agacattttg tgctcattca tatcttattc 60
 aattattact gcatgaagtt tcttggtgctgc atattgaatc tgtttggttg atggtgagat 120
 gattcttaaa aaaaatgatt ccttgactcc aataccataa atttcgtggt ggataacctt 180
 gcaaactgaa gagataagtg tcaagtcgta ttattctatc gcgaaacaaa ggttgatact 240
 ggtttttaaat agcgtttccg caactacaat tgtagtcaca atgtcaaagt attttgattc 300
 atcataatgc aaccacaacc gtaattgcag ccgcattagt cacagttttc tgcaatataa 360
 aggttttctg attcaccaca attgcaactg cgaccacgat ngatagtatt agttacttgc 420
 tgttccctgc cccaatatag ttact 445

<210> 33817
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 33817

cacgatgctt ggtagttcga ccatctagac cctttgttgc gcaatcatct gtagaacaaa 60
tncacatatc catccgaata catgaatgag aaaacgtag ggctcctata tttattacat 120
tggaatctat ctaatatacc gaaatgatct gtttaataaa atcataaaca tattcccaat 180
cttagcaagc atatacgaca ctgatcttcg actataccaa ctatgacata gtaactcttt 240
cactttctca accatatgat ctataacata ctttgcaagc tcacttttga cattacaaac 300
cactccccac gtgaaagtca agccaccctc tgaaagcgga ccgtgtgtga cacgtactga 360
acatatggcg ttgccttctc cg 382

<210> 33818
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33818

tctttgagaa aacttccttg agaagctaga gcttagttac acacaccct ctcataacaa 60
agctcacctc cttgagaagc ttccttaaga agattcctaa agaagctaga gcttagctat 120
acatacctct ctaatagcta agctcacctc cttgagatga gaagctagaa cttagctaca 180
cacccttat aatagctaag ctacccccca tgacaaanaa catgaaaata caaaaaaaaaa 240
gtccttacta caaagactac tcanaatgcc ccgaaatata aggctaaaac cctatactac 300
tagaatggcc aaaatacaag gccanacga agganaaacc tattctaata ttacaaaaga 360
taagcgggct cactcttagc ccatgggctc gaaatctacc ctaaagctca tgagaacnct 420
agggcctacn cttggatctc ta 442

<210> 33819
<211> 335
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33819

agcttcaaga aaattatggc ctcagaanac ttcttatttc cagaaggga ttctatcaat 60
acacctccaa tctttaatgg agagggttac cactactgga aaanccgaat gcaaattttt 120

attgaggcaa tagatctaaa tatctgggaa gccataaaaa tagggcctta tatacccacc 180
 acagtagaaa gagttgccat agatggtagt tcatcaagt aaagcataac catagaacaa 240
 cctagagata gatgggtctga agaggataga atacgagtac catacaactt acaagcccaa 300
 aacataataa catctgccct gcgaatggat gaata 335

<210> 33820
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33820

tgtagcaaat tcaaacccca ttaaatttta actcagatgt acgattaagt cccgcaatat 60
 aacgagacgc ttgatattga aaacaaaagc tctgagcaaa ttctaacgac aaanatgttt 120
 tcctcggatg tctgattcag tcccgtata aatcgagccg ctctgaattg aaaactgaag 180
 ctccgagaaa attaaaatga caataacttt ttactcggat gtccgatagt gtcccgtagt 240
 atatcgtgaa actcgacatt gaaaacagaa gctntgagca aattcaaacg acaataactn 300
 ttactccga tgtccgattg tgtcccgtag tacatcgaga ctctcgtaat tganaacaga 360
 agctcgtaga gaattcaaac gacaataact ntttactcag atgtccgatt atgtcccgt 420
 gtatatccat acgctc 436

<210> 33821
 <211> 273
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33821

gcgtatgctc aaatcgtcac cagtaaaccg gacactgacg acctccacat cgcttgctaa 60
 agctgcatgc gcaactgctc actgggcccc acaccataa tctccctcaa cactatgggg 120
 ccgtgcctcc acacttgac atggcccata tccaacctn tgtctctcgc tcgcatgta 180
 tatagatata catccacccc cctcccaaca catcccatc ctcatcctaa cagtcttctc 240
 gagaaccatc caacgagga cacagaatat tat 273

<400> 33822

<210> 33823

<223> unsure at all n locations

<400>	33823
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<210> 33824

<400> 33824

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gcttatgaac ttgactatac atcagtaata cgcggaagttt gacttgcaac tttaccacaa 120
aacatagtga atccgatata tctttcctat atttagcggt cgtggaaaca tacagtgatg 180

aaggagaact cggtaatcct tctattataa ataatctttg ccccatgaa acagactttt 240
gacaattgat cttcataccc tgacgctcag acagaaattg cttacatact atccttcacc 300
aatcttactt gaacacacag tacctctcac agaatacgag atcatcatca aatccagata 360
agatgacaga taattggacc atgtgtggaa atatgaattg gttcgcaagc atcatccctt 420
ctaatatatt cctaatccat caagccgctc tcatgcaata agag 464

<210> 33825
<211> 436
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33825

cagatgatag tgatgacgta caagctctat tcgcatatct agaaagagcc cgactagtct 60
aagagaagnc aagtcataa cttaccaact gaatagagta tgatgaacta ttggactgta 120
atatggccac cgctgaagcc ttggaacgag aaaccattga cgcccgaaag gaagaacacg 180
tgcaagcaca cgtatgaggg gctatatatg gcaacagtag taagctcatg ctgctaagag 240
gagataggaa tcatcacggg tcacaggcat gatcttgacg gacgagctaa tggcttacct 300
taggtcgaaa tgaattctgt cccgacagct aagcgagact gaatggaata tgtgggtccgt 360
catcgatgag tgctcagaga atctaaatct atcggcgact cacgagcaaa ggctacagga 420
tgagtacgcc gagaag 436

<210> 33826
<211> 419
<212> DNA
<213> Glycine max
<400> 33826

agcttagaaa agaattggaat atagtcaa attttctcta ttaatgggtt ctattcaagg 60
gacaacaaag gaaattcatt cgagtttcaa gacactgcaa catatatagt catgccgaac 120
atagtctcaa aagttacatt tcaatctgct aaaaaaatc acatttcaag aagttcattt 180
tacgtggaat ttaaaaaataa tgatattggt aggaaatggt ttaaggatac tagtttaaaa 240
aagttagcaa ataatttatt ttaaaaaaat taaaaattac acttagaagt acatgaatct 300
atgaaaaatg ttaaatttta ctctctgtct ctctctttat aaaatatttt tattttacga 360

cacttagtat tatatattct cataagatta aaagtgcacc acgtcattta tcaatgaat 419

<210> 33827
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33827

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tgaatgcaga aagctgtact gtgcctgagt gggtagcatg aacaagggtg ccatttggtg 120
atctaaccgt gatgggggta atttgatgat atgagtgaag gtttggttaag gaggaggaaa 180
cgtgatcagt ggctcctgaa tctaatatcc aggaggtaga gtttgctttt tcgtaagata 240
gggttatacc tgttgcatcg ttactagagc aagatgaaat ggaagcgacc tgaggcttgg 300
tggatgctga gtttcctgca tatggctgtt gtattaaagc cagcaatgcc ttgtactgct 360
cangtgaana acgaaccaat tcttgagatt cttggcgctg tatttggtca tctgtggcct 420
ttcctttctac ttgccactac gttgtagcta ttac 454

<210> 33828
<211> 396
<212> DNA
<213> Glycine max

<400> 33828

agctttccgt gagggtgtt ttattctata ccgcaactcc ggtgagagca tgccatcaaa 60
aggcaccatt gccatcgcca tgettaacgt ctcttcctt cccatcagaa gacacaatcc 120
aactaaacca acctatgctg tttctcacac tcgattaaga ccattggaac tccaccctca 180
caatataaaa tatttatttc aaacccaac aatccattca gttcacaat aattttccca 240
ttgggtttatc atcattatca aattcaaac actccccat caactttcca cacatgcttg 300
attttagtac aaaaatgaaa aataaaaaat aaaaacatca gttacaggcg gttttaaac 360
cccataaatg taaaagtgac atgtgtcttt acctta 396

<210> 33829
<211> 467
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33829

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 tgnngtggat ccaagtactc cgatcatcca ttgcatact cacgttntgg tggcatactc 120
 accgttggtt atttcttttag gaatttcac ataactaaga aaacaccaag gcaccctat 180
 aacactcgat ccagaaaaat ggataatgaa gagggcgtgc aggaacagat gaaggtcgat 240
 ctatcggcct taaaagatca aatggcttcc atctcggagg tcatgttaaa actccagaaa 300
 accatagagg ataaagccac cgcaaccgcc tccagtacag ttagggaagc ggagccggtg 360
 ctgcagcccg ccttgaatcc gggcctagac agaaacacgg ccatgttcgg tcgaaggtat 420
 agtccgcaag cttatcctta tggcctcct ccggaacttca ccccccg 467

<210> 33830

<211> 165

<212> DNA

<213> Glycine max

<400> 33830

agcttctggt ttgaattacg agtgtatcga tatattacgg gactcgatcg gacattcgag 60
 tcaaaagctc ttgctgatcg attatactca tagctcgagt tttcaatttc gagcatctcg 120
 atatactacg gcacacaatc ggatatccga gtcaaaagtt attgt 165

<210> 33831

<211> 315

<212> DNA

<213> Glycine max

<400> 33831

ctgagcacat tcagacgaca ataactgttg actcggatgt ccgattgttt cccgtaacat 60
 atcgagatgc tcgtaattga aaacagaagc tctaagcata ttcagacgac aataactttt 120
 gactcgggtg tccgattgag tccggcgaat atcgctatgc tctaaaatga aaaatggagc 180
 tctgaaacaa atcaaaagac gattactttt taactggatg tccgattgaa tcccgtcaaa 240
 tatccagaca ctcttaaag aaatatgag cttgaacaa attcgaaaca ctataacttg 300
 tgactcggat gtccg 315

<210> 33832
 <211> 357
 <212> DNA
 <213> Glycine max
 <400> 33832
 agcttataat ataatcgatac gctcgttaatt aaacatcgga aactcttgag aaattcaaatt 60
 ggtctttaact cttcacacgg atgttcgatt ctggcgcata atatgtcgag aggctcgaaa 120
 ttgaacaacg gaagctcttg agaaattcaa atgggtcataa cttttcacac ggatgttaga 180
 ttaaggcgca ttacatatag agacactcga taatgaacaa cggaagctct tacgaaatta 240
 aaatggtaat aacttttcac actgagggtcc gattcatgct tataatatat tgatacgctc 300
 gaaactaaca tcggaagctc tccagacatt caaatgggtca taaatcttca cacggat 357

<210> 33833
 <211> 453
 <212> DNA
 <213> Glycine max
 <400> 33833
 tgaatcggac acccgtgtga aaagttatga accatttggt atttcacgtt atgctttggt 60
 gttcaatttc gagtgtcact atatgtgatg cgccaaaatt ggacattcga gttaaattgtt 120
 atgaccattt gaattactca agtgcttccg ttgttcaatt ctgagcgtgt cgttatgtga 180
 ttctcctgaa tcggacatcc gtgtgaaaat ttatgaccat ttgaatttct caagagcttt 240
 tgatgttcaa tttcgagcct ctcgacatat tatgcgcccg aataagacat ccggtgtgaaa 300
 agttatgacc attttaattt ctcgagagct ttcgatgttt aatttcgagc gtatcaatat 360
 attataaggc tgaatcggac ctcggtgtga aaagctatga ccattctaat ttcatgagag 420
 cttccatggt tcattttcga gcgtctctat atg 453

<210> 33834
 <211> 419
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33834

atgccgagca gtaccctcca agtgacgta cgtctgctaa cgaagaccat attatcggac 240
 gtctactcac cgggtaccta taaatacttg caaccgtacc gaaatgcact gacgctactc 300
 attcacacaa cgtatactat catagcccat agcacagggc acaggcacac cattatgggc 360
 atggcaccat cgaaaatgac agcttctaca cttagagacc ccagttacaa ttacttctat 420
 cttaccaccc cacgatgatc gactcgatac gatactggag ccttagtaat atcatgaccg 480

<210> 33837
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33837

ctaagcttct gggcctttct gcaagcttac attgggttagt tagntntacc aagaaatgct 60
 actcttaaaa caaaaatggc atacaacctc ctccaataaa cacaacatc aatgtaaatt 120
 tagagcaaac ttatgcatat acttctttac gaacgttcac ttgcacaaga cattcttata 180
 actaagaaaa atgcacccat gtacaatcaa ggcaccttcg ttacctagat tatttatatg 240
 tacttccaag gtgtatttgc tacctacatc acatgcactt ccttggctaa atttacatac 300
 atgcatactc aaagcatttg gggtagcaaa aattgcacat gtgcacattc cggtatttct 360
 aatacttatg catatacaaa ctttgtgatg aatcttggct atctacacaa taagggtgcta 420
 catttcataa attattcaag tgtttt 446

<210> 33838
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 33838

agctttaacc tttggtttta cacttcatat ccttgcaagc aaaagcttga aagataaata 60
 ttgctaattt ctgctagagt ttgtctaaat ttctccaat tagatgatca ttccagatcc 120
 aactcagtat gagtatagtt aaatgcccaa attgcagtc cattctgtgt cacttttata 180
 atgaacgcat tctgtgtcac ttttataatg aacgcattct gcctaattgc aatacagtac 240
 aagagaattt atttgtttca taaacaaaga actggacgac aggtagaaaa ttatgattca 300
 attcagaaat ccattgcaag acaatagcct tgagattgaa gagcttcagc atctgctaca 360

tgtctatatg actaacgacc caaaacagtt ac

392

<210> 33839

<211> 430

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33839

tcttgaacgt gatcaatata tttattgtca cagaatatat gatgaagatg tggttcgtga 60

tatcttttgg tgtcaccctg attcagtga gttagtcaac gcatgtaatt tgggtgttttt 120

gatagacagc acctacaaaa caaacgggta tagactccca ttgctcgatt ntgttgggggt 180

gacaccgact gggatgacat tctctgccgg ttttgcata gtggagggtg aacgcgttaa 240

taattntgta tgggctttac aacgcttctg aggctttttt ttaaagcgtg atgccctccc 300

tggagttatt gtcactgata gagaccaagc attgatgaat gtagtgaaag atgtattcct 360

tgaatgcaca aatttgttgt gcatctttca cataaacaag aatgtgaagg ccaaattgan 420

atcactaatt 430

<210> 33840

<211> 257

<212> DNA

<213> Glycine max

<400> 33840

tagctgttct tcatggttgg catttgcgcc aacctaacgt aaaaaatgct cttctccacc 60

gtgagcttaa tgaggaggta tacaagcaac ttccctcacg gctctcggtt gataatcctt 120

accaggtatg cacgctgcaa cgttccttat acggtctcac acaagctacc cgacaatggt 180

tcactcgtct ctacttattt attgtttctc atggctatca caaagcctcc gctgatcatt 240

ccctcttctt aagcttc 257

<210> 33841

<211> 445

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33841

taggttatgg atcactgtat ggtttccttg aacctctgtc tatacacaac gtanagaaca 60
aacgtgaaga atgtcaacat tacattcaaa catgggtcac agaatacaca cgagaagtgt 120
acttgggagc ttacctgaat caataagttg aattgatgtt gtacaatatg gatattatgt 180
gcattattgt tgcctaacta atgtttttcg tcttcagggc acattggcaa cttgttggtc 240
tgtgtccacg ggacaatatt gttgtttggt tttgttcttt gcataagaag cttgatgtta 300
acatcaagac tgcagtgaac aagttagttt taacattata agtcaattat tgtatagaaa 360
ttgtagcgta taaacacaat gattatntga ttatatatgt taagttattt ntaaactagt 420
gcaatgaaga cattaaccac tactt 445

<210> 33842
<211> 168
<212> DNA
<213> Glycine max

<400> 33842

cacgtgtgcy cgatatgtga agacgatgct ccacgtactt atgatttggt ccgaccatgc 60
ccttctgacg acgagctggg acattggcgc agggacgaat gccccggcat ttacgccatc 120
acgcataatg taaaccttta cggctctaac agctctatag ttgggcct 168

<210> 33843
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33843

tgctcttaag atacttcttc cattntaaac ccttctgtac aaattgatgg actaaattac 60
tacaaagtag ccaaattacc aaaacattat actagcatta aataacacaa ttagagtcaa 120
aacaaccctc taagtctaataaaaagataag gaaagtgtct taattggtac cttanaagta 180
tgtgtatttg gcacttaaca gtttaccaca tgtctaagaa attgaacttg ttgaggcaaa 240
atttgcattt tgagatctta gcattgagtt tctctcctt caagatttgt agtagaatct 300
tcaagtgttt ggcagtgtcc tcttgacttc taaatcatgc tagaatgtcg acgatgaana 360
ctgtaacaac cctaacaaaa attacaactt aagctattag aagaaactct gtgttggtgc 420

atttgtgctt gtatgtactt aatt

444

<210> 33844
<211> 282
<212> DNA
<213> Glycine max

<400> 33844

agctttatatt agccagaatc cctgattact ttcggcttgc agaagatgga ttgacactcc 60
aggttagaag aggtatcacc ttcatatgac ttatcacact ctacaaactg aaacggttgc 120
tgcttgtcac acaataacag ataccgaaaa tgcactgacg ttacttcact aaaaaatggc 180
acacgtggga gactgaactg tgggatgcta cctctactat acacgacca gtatcatgtg 240
atgtgagcga agagtatgca cctacactat ctaactcaca cc 282

<210> 33845
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33845

tccagaggct acccttcccc ctttggtgcc actgttttat acgttggggt caatttcgcc 60
atttctcttc tcaacgcact ttccgccact ctctgtttct ttactctctc tgatttccag 120
aatgtgagtc agttactcct ctcttcattt cccaaatccg gatattcacg ttaaaatagc 180
agctaaacta attctaggta aataagtgtt ctctgtctctg gtttctaatt ccggaattga 240
ttctagggtcc aaaattgaaa taaactttta gcctgttttt gcgttgaatg aaaattttta 300
aaccgaacaa acatgtgact ntacttcaaa atcaattnta cttcaattca attntgcaaa 360
cgatcactca attacacact anaacttctg annacgtaac tcagtggtag tttgtgggtg 420
ttga 424

<210> 33846
<211> 479
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33846

gcgcgcncctg ngtgtggcnt ctgaaccctg gaactccant cggacccgcg aactctaaac 60
 ngacctgacg cattttcctt taaccttttt tctacactgt atatngttgc aagcagaagc 120
 ttgacacata tatatcgctc acctgtgtta cagcccgtct acactccttt caattgcatg 180
 atcattccag atccaactca ctatgagtat agctaccgcc cagattggag tcccatctct 240
 gcgccacttt tataatgaac ccatctgtgt cactttttatc atgaacgcat tctgcctaata 300
 gcccatacag tacaccagaa cttattcggt ccataaacac agaactggac gacagggtcca 360
 aaatcatgat cacatctcaa ttcattgcag cacctagcct tgacatcgat cagtctcaca 420
 tctgctacat gctcatatga ctcacgcaca ccaaccagta ctgggtttct agcacaccg 479

<210> 33847
 <211> 436
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33847

tttgttntca atttcgacca tctcgatata ttaccgttct catccggact tccgtgtata 60
 aacttattgt caattcaatt ttctccgagc ttggatcaa aattttgagc gtattgatat 120
 attacgggac tcattcagac atccgagtaa aaaattattg tcgttagaat ttgatacgag 180
 cttccgtttt caatttggag catctctcgc taaattgoga cagtctgtcg ggcattccaag 240
 aaaaaattta ttgtcgtttc atatttctaa gagtttccgt tttcaatttg gagtgtctcg 300
 atatattacg ggactcaacc ggacatccgt gtataaagtt attgtcattt caatttgctc 360
 agagcttcta gtctcaatat tgagcgtctc aatatattac ccgattcaat cggacatgcg 420
 agtaaaaagt tattgt 436

<210> 33848
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 33848

agcttctgtt tttaatcggc ctataaaaaga tatatattga tgacagtaca agaagtaccc 60
 ctgccctgtt acaaaagggt ccctacagaa tattccacac agtttaatga gccaaaatac 120
 atgacggaaa catataaaaa cagaaaatagt aatgttgtat ggtgtttccc agcacaactg 180

aagttaagat acacaatatt atatgctccc taaatccgga caatgcacga aactacccca 240
 acatgttcoct cgtgaattca ttcccttttg cttcatctcc caaaaattcc aaccaaccaa 300
 caaatgacaa ctttctgaaa tttatcttgt aaagccaacc accccaatat ttgcccacg 360
 tagcaatata tcatctcagt tgagtcattc 390

<210> 33849
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33849

tggacgtaca cccatatttg gtgttttttg aggttggtat atggaatcta acttagaaga 60
 cgccaaaatc ccactcaaaa ccatgcaatt cgacggaact gaagttggtg agtattctag 120
 aacttgttca gcagaatgat gcaagataca aacaccgata ttgaatatat cttttttggc 180
 catattacat tatgcacttg aaaacaaaat gaaaagtaaa agactgggta aaataaatgt 240
 gaactttttt ctacgtatta tgatggtaat ttctcaccta tatccacatt ggagttatcc 300
 gtgcgtntca aagttaaccg aacacataag atatgttgaa gaccaataat tactaacttt 360
 attatgataa tactaccatt gagaataaaa gaaattatct ttttaaaaga caaggcagac 420
 gaatactttt g 431

<210> 33850
 <211> 411
 <212> DNA
 <213> Glycine max
 <400> 33850

agctttatga ttatgaacca cgcaattttg atgatgccaa aagcccaagt aattgattca 60
 agacttcaag atcaagcatc aagaatccaa tccaagattc aagagaagaa atcaagaagc 120
 aaaaagtcac gacttcatat agtataagta ttaaagatt ttttttttca caaaccaa 180
 agcacagtct tgttttacac aagaattttc tcaaattttc taagttacca gagtggttac 240
 tctctggtaa tcgattacca gttggcagta atcgattacc agtgaccagt ttggttttca 300
 aatgttttca aatggcttac aatgttccaa actaattctc acatagtga atcgattaca 360

ctatattagt aatcaattac aagtgaattt gaacgttgga attcaaattcc a

411

<210> 33851
<211> 337
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33851

ctcagctttc gtcttacgaa tgcaacaagt tatacggatt ctcttcggtt tttccgccc 60
tcagcgtgac tcaaaagtca gtatgacaga tcttgtgagc gcggaagata acgtaaatct 120
ccacgtgtca acgggcttgt cagccgtgat tgacgaaggg cgcagaagac gacgttagtc 180
tctgcgtgct atcaggcttt tcgtcataca gacaacaaaa agtttatagc gataaccact 240
cgggtatttc cgcccgtcag cgtgactcan aagtcagtat gacagatctt gtgagcgcgg 300
aagatgacgt aaatctccgc atgtcaacgg gcttgtc 337

<210> 33852
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33852

nttcgcanag cttacggtaa aatctgggac cttagccttgt tagaagtctt cacatatgcc 60
atttctctcc tcgcccagta ttatgatcag ccgttgaggt gcttcacctt tggggacttc 120
gagctatcac ccattggtcga agaatttgaa gagatcctag gatgtcctct agggggaagg 180
agaccatacc tcttctcagg gttctatccc tcattagcta gaatttccaa gatagtccaa 240
atctcggcgc aggaattaga ccacaggaag caagtcaaat atggcgtggt tggaataaccg 300
agataatatt tggaggcaaa agcaagaatc ttgacaagta aaggtgaatg ggcctcgttc 360
atagacgttc tcgcactgtt gatcttcgga ggaggtctct ttccaaatgt ggatggggtg 420
gtggacctag cagcaatcga c 441

<210> 33853
<211> 408
<212> DNA
<213> Glycine max

<400> 33853

cttcctaagc tgcaactttt caagcatgag tattagtcgc tcgtatacat actgaaatat 60

ctggaataac tcttccgtga aagggtcacc acctgccttg aaattcttaa atcctcgcaa 120

tgccctcgca tagcgattgt ctctgatcc tgattcttcc tcaaactgat gaacacatac 180

atgaacaaac aattggctgt cgcgagcgcg ctttacgcac ttctccaata cactgcacac 240

ctccaaagtt ttcaaactat tctcaaagta ttctcaacc agttcaaaca gtctcctggc 300

tcttccaaat gtcttttttg cagcccaaga ttaccttgac aacttcttgg tcctctccag 360

aaagcatttg agattcgttt acagatcgaa gaaagggtcg acttcaac 408

<210> 33854

<211> 500

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33854

ncgcgcgggt cgggtgaggc ttatgacntc ctcgaaanant caagggaatc tagatagtagc 60

gccgggatgc tttcgagcct tcttgcggtta tgcaagcttt aacaatggac gagatatgga 120

tggtcgagtc ccttgagat atcaccaaaa acaactttgc agctgaaaat aaaagatgtg 180

agatcaacgg ggcaacaagt cgatgctcta taccctgtgg actccctact accctaaacc 240

tcttgccctg ggtggcacgg cgtcaacata gaacaacaga gacacctgat ctccaatcct 300

tacattaact ccacgaacga tgttggtgtg ggacaagcta tcccacattc ctcaaataaa 360

ccacatgctc cccatttcat gcaccgggac acctctatgc tgcaaacactg catatgaact 420

ctataccgtc aatctgccat atcatattcg cacacatgct ctatggctca cgaccgagcc 480

ttctggccat ccgctcgccg 500

<210> 33855

<211> 361

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33855

ctacatcaca tgctgcantt cggaatcagc tcttccaatt aagaacgtta tgcaactcccc 60

004106-10459

gcaccgcgca tcttggcgat cgtggcgcaa ctgaccgcat tgtgctcctt caacggtacc 120
aagatgttat tgggtttcac catcgactct gtcatatcac caataatgct cttatcttcc 180
ttagccagtc gcccggcgta tggatgtcca actaacgact tcnccatttc atgattgtga 240
atgcacagat caactggagc atccaagctt tcccttcatg cactgggttc ccacgaagtc 300
tgaacgcaca accacattct ctactacggt gtcttttcta acgaattctt tatttccaca 360
c 361

<210> 33856
<211> 498
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33856

gcgctgccga tganactgag ancnatcgaa gagcatancg agaatcccag ctcgggatcc 60
gcggatactt tagagtcgac ctgaggcctt cagtctatca caacgggaat ggtaaagtac 120
tagctgagggc tgatattaac acggtggcca tgtgttcttc tgcaagaaga aaggacacgt 180
gaaacagaac tgccctgggt tcccacagct ggcctcacca cgacaggtaa actcactctc 240
atcactctgc tatgaacctt ccacgggtag tgttaatatc aacacctacc tgattgatcc 300
tgcactctcc atccatattg caccctctt acagggcatc gaaaccatac cgaaccctac 360
gcgaactgac aacaccattc tatcacgcaa taacctattg ctacattgtg gaggccatta 420
gaactcgctc ctgactttcc tcagcgctct atattcccct agatacgact ctttatgttc 480
aactctctcc ccaactccc 498

<210> 33857
<211> 438
<212> DNA
<213> Glycine max
<400> 33857

cggcctgggtc tgacctatat aaacaattgg ctacgctttt gctcccccaa aaggcgatta 60
aattaggtac gttaagcttc cgcataatga aaagtcttat aagcctgata ggccgaccta 120
tatatatata tatatatata tatatatata ctatatatat acatatatat acatatatac 180
tatcttgtgg gcgccataaa tattcatctt gaaaaacact cgcacaccac atccctataa 240

tcaaccaaag gtctacttac actgcggtgca cccttctctca tctatcgacc tacccttttg 300
 ctgtaagaca tccttctaca tacaactatg cgcgctctat ttctataacg tacattgtcc 360
 cgcagagaaa taactcctcc tctcccgctg tatcttgccc gtcccatgac aaacacggct 420
 ttctatgcat ctcacccc 438

<210> 33858
 <211> 282
 <212> DNA
 <213> Glycine max

<400> 33858

tcacgcttat actaatttat cctaccatgc tcagactgac cggcggactg aacggaccat 60
 tcacccgctg gacgaccttt tgagggcatg tgtcttaaag cacaagggca gtcggcacag 120
 tcttttgacg ttgatagagt ccacttataa cagtagctct ccctctacca ttagcatggc 180
 tccttatgaa gctctgcatg gtacaacgtg ttgcacaccc ctatgtctgc tatagcccg 240
 agaagacact caccacgcc ctgcactggt gcacaccac ac 282

<210> 33859
 <211> 364
 <212> DNA
 <213> Glycine max

<400> 33859

agtgcacaat atcatctcta atatttctat gaagagtttt tattttaaaa tccttgctta 60
 gcaacattca cttttttgcc cgaactagca cagaatatgc ctagtattta cttaatagca 120
 tcaatctgct ctaagtttgt tcctgcacaa catagaaaat catttgcaaa ggcaaggtaa 180
 gaattttttg gaccaccttt agatgattca ataggcttcc aaattttctg ctccactaca 240
 tcattaatca attgaaataa tctctcaatg caaagaacaa atagatatac agagatagga 300
 tcctctatca cactcctcta acatgaatga atttttcaag agcttctcca ttccacatca 360
 cctg 364

<210> 33860
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 33860

actcaagctt gcaatctcct ctggacactc cacataacca gtagtaaaat aatgccaaat 60
atgagctntt ttttagctta agaaaatcta gcctgacaat agtagaataa taccatacaa 120
aaacacaaac taacaaaata taattaaacc ctttctccat tgtctgatct aagcatttca 180
ccttggtgcaa canaggtgct acaaggtact aaaatcagac aacagaaaag cataccttga 240
tccttggtcac atttgcttaa acatatcaaa atgttgatgc cattctttnt ctgacatcaa 300
gatttcagcc cttggagttg ttctcccact tgcttttaat ttctcattaa caagtaacgt 360
ggagaattca caccanacag ctttcacttt aatgcagaag gaanaccaat caactctcaa 420
gcatcacat 429

<210> 33861
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33861

gccgcccggg gagcttgana ctgagacttg anaacccaaa actaagcggc ctatgaggac 60
tacacagatt taccocggtt acttttttctg agagacgacc acgaccgtca cgtcatgacg 120
agtgacatac cacaacgcca actctcttta cgctgtagct atatgccacg taccatcca 180
ttatctagt gaaactaggt atggcctacc actgttctac tatacaatgt gaaattctag 240
ccgtctacta attcaatatg gaaacacata caacattctt accttgcaat caccgatgat 300
gaatcacatt cggggacact tatatctcat ctaagtgtgc actcataact catatcaacg 360
aaagcgcaga aactacatat tgtgcccttt ccatgaccct acgacgtgcg ataccagatt 420
atattacgcg gactatactg accg 444

<210> 33862
<211> 154
<212> DNA
<213> Glycine max

<400> 33862

tttcatgcaa gcttttttga gtaaaaacat gggaccaact cattttattt caaaaccgaa 60

gtcgtatcta gtcgatgtct gagagaccat acaacgttcc taacgatctc taattatgtg 120
ggccattaag tctatcatac gctgacaata gccg 154

<210> 33863
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33863

tctcaaggag gtgagcttag ttatgatatg ggtgtgtgta gctaagctct agctttctcaa 60
ggaagttttc tcaaagaagt ttctcaagga agttttctca agaaagcttc tcaaggaagc 120
tacctagtct ataaatagaa gcatgtgtaa cacttggtgt aactttgatg aatgagagtc 180
ttgtgagaca aaactcaaag ttcaacttct ctcccttttt cttccttcaa tttcgtgctc 240
ccccctatct ctttctctcc cactttcttt tcttccattg aagcatcctc tccaaggctc 300
atcttggtgg tgaagctcat tcttccatgg cttattcctt agtagatggc gcctcctctc 360
acctcttctc ctttgtcttc cactgcatct ccatgggtgga aaatcaccat taaaggacct 420
cattanagct canagatccc agcctcata 449

<210> 33864
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33864

ctataaaact cagcttntat agctttgtta acctatcatt taattataat ttttattaat 60
gcaatcaatc taaagcaaaa gaaaaaaaat gcaatcaatc gtttccaaaa ttcttaatag 120
aaattttaat caattgtcaa gctatttaag caactatcta ttattaaaca catatattaa 180
atattataac atatatantt ttgcatatct aaacgttggg ttatcttggt taattttcaa 240
acctgatatc agtgtaaaaa atttctaatt attaatgcaa agtctattct ttttctcata 300
tctataatc tagttcttaa tattctgttt atctaaatct ttaatttcaa aatattttat 360
ctaaagggtc ctttaatggg gaaattgaac gaatagaaaa taaaaacttt aactgtaaat 420
aatctattca caaatgattt tcttatata 449

<210> 33865
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33865

taacaaactt agaaatcaag tgatcatgta ttccgattat aggggggagan aacggatgca 60
 cattntatct atatacaatt gtttggtgct tgaatcttga tttcaggtat tgtattgtca 120
 tcatcaaaaa ggggggagatt gtagatgcaa ttggccttga tgttttgatg atgatcatga 180
 tgatgtgttg caattgatgc aaatgggctt ttcaagatta aaattcaaga caatacttca 240
 agattacaag tcacaacatc aagatgatca ctagaatatt aggaaggga ttcctaattg 300
 aattagcaaa gggttgcca agtgatttaa aataaaaagt gtttttcaaa gcttttactc 360
 tctggtaatc gattaccaga ggatgtaatc gattaccagt ggccaaatac gttttataac 420
 agcta 425

<210> 33866
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33866

agcttcaata agcaggaaaa ttggactaaa tctntcaagt acactctttg caatttgaaa 60
 tgggccctct attggtttgt tggaataact aacttcacgc ccctttcagc aatgggtatct 120
 tcgcatgctg aagtgcctgc tgtacggtct ctgtacacga agcgtggtgt cgatgccaaa 180
 tctgaatctc gaaattgaac ctactaatca tatgctaggt taggctacat agttaggcca 240
 catacaaag tgtacataga actacatagt caaaattggt actcgatcaa attgaaaagg 300
 atgttataag ggtctctctc aatttgaaga caaaaagggt gctgatttgt accactaatt 360
 ggattgaaat ttacagcatt ctcttaataa gaaatcacia tttgatgt 408

<210> 33867
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33867

tgatcaaaac anaatctata cattccaatc cacttaattc atacaatttc tcattcaaat 60
 caatcacaaac acttcattct atacaaaatc aaaccactga atcatattca aatagttcac 120
 tattcaatca tgcttttgta caagctacta ctacaaacaa aataactgaa atttaaaaga 180
 ctaaaattta aagactgaaa tttanataac taaaacataa acataaaata aactaaaata 240
 gaataataat aaactgttca aaatgcaaga caagaagata aagatcctgt caatccacct 300
 gtggatgata ctctgcatgc tcgttcaaat ccaacaccgg agcagctggg ggatcctatg 360
 aaatgggctg cttttgctcc aatgctgggtg cagatggctg gtaatcatca gtaattgggtg 420
 ctggagagac aggaactaca gct 443

<210> 33868
 <211> 340
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33868

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 cgatcncaaa cttccgttcg tccatctggt tgtggatgat aagctgagct catccgcaat 120
 ttcatgtcgc tcatctgaaa caggctcttg cagacaattg cttatgaata atgggtctct 180
 gtcggagatc aagctgcgtg gcatgccatg acactctctg acgatgtcca tgaacaggat 240
 gacgactgac taacctgagt gctgagctgg cagcatgcct acgtgtatgc ctcttgaacc 300
 tcgatctact acacacaata tggcagtatt tctgtgaatc 340

<210> 33869
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33869

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 gtacccttgc cattaacact agatgaatga tgactcatgt tgcttcctaa gttgtgggtc 120

tttcttggtg gaggtttgaa aacaaaaggt aaaagaaact atggttgaaa ctagccaaat 180
 aaacactaaa agaggtgtga aagataaggt aaaaaactaa ttggtaaaag gaaagctatc 240
 tangcgggtt gacaatggaa ggtaaaggaa ataagctatg aaagtaagca agacatgtaa 300
 actaggcgaa tcctaagagt gtttgatga ccacattcaa gggtcccaac anaacactca 360
 ctatcctaag gaaaaattgc ctaaaattat tacacacaaa tggaagtttg gtaacctatt 420
 ggaggctccc aacacacttt caatgaaagg cctt 454

<210> 33870
 <211> 452
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33870

nttgatttca atctgaagca tctcgatata ttacagtgtt tcagtcggac atccttttan 60
 aaatttattg ctgtttgaac tttctaggag tttctgtttt caatttctag tgtctcgata 120
 tattatggga ctcaatcgga gatcctagtt aaaagttatt gtgatttgct tatgaaacga 180
 gctttcgttt tcaatttcga gcgtctcgat atatgacggg actcaatcgg acatccgagt 240
 aaaaaagtta ttgtcgtttg aattntatac gagcttccgt tgtcaatttg gagcatctcg 300
 atatattacc ggactcaatc agacatccga gataaaagtt acagcggttt gaatttgcta 360
 cgagccatcc gtttcaattt cgagcgtctc gatatattat ttgactcact cagaaatttg 420
 agtaaaatgt tattgtcggt cgaatctgat ac 452

<210> 33871
 <211> 268
 <212> DNA
 <213> Glycine max
 <400> 33871

cgcttgtagc tgtattcgtc tattcattgt gtgcacacc gaatatctgt ggtctctgtt 60
 tacctgcgca catctcaatt ccttattgtg aatcttttcc atttgctagc tatcataatg 120
 gtaactcgta cgcaatatt caaacaacga tacctgcata ccccttttac tctattttac 180
 tatcaattat atcacatgtt atagttacag aattaacatg aattgcgtct aagaaaaata 240
 actaatttct cacccaacac catatcta 268

<210> 33872
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33872

ttggatatca gaggctaaag ttcttgagtt gtgcttttta ttatacttga cttacgggac 60
 aaccatggcc ggtctcaagg tagtataaat aattaattga actttcatta tatttttaaaa 120
 ggcccaattt tgtttgttta tttagatgtg acggtgaacg aatcaatctc aatcattgtc 180
 tctttccctc tcaccaggct attggctatg actntgacta tgatgacttt catgggtaat 240
 tgtctttaca tatttgagat ttgttctatt ttttttccat ttattttaat cgttagaaat 300
 catgttaaata ataatggaat ccaaaaagta tttagtgtgt gttgagcagc tctgttcattg 360
 ggagattgcc atatgatatg ctgaaacctg accctgttct cangggaaat ttgctaagct 420
 tgctgttcg aanagttgtg agttccttt 449

<210> 33873
 <211> 285
 <212> DNA
 <213> Glycine max

<400> 33873

agctttaatc aaagttctaa ttaagatggc gagcttaca tgaggaatat tattgccact 60
 acacctttta ttctaacttc accatcatca ttctacaaaa tcagattaac ttcattcatgg 120
 caacttgaat tatcatgtca tatataatgc tattagtcta taggcctttc tgggtacaca 180
 ctccataatt ctttactatc acaggctttc aattacctat atgtacccat accaacaccc 240
 tcacaaaatt gaagacgtat actcttacac tatgatgact ctttt 285

<210> 33874
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33874

agcatgtgcg cattgagtgc acatacataa tataacattt taagtgatca tcgcgctaag 60

cctccaaatg cgcgcttagt acacatgcac agtacaactg acttctagtt tggcctctca 120
 tgctgagtac actcctccaa ttcttcatgc atttttttga tgatgtacta atactctata 180
 aaataaaacc aaacagtata aatttactca ctttagcatt ctgaaactaa aaacctaaat 240
 ttttatcttt ttagataaaa aaaaacatta aaagaattag ataattacta tataatttaa 300
 atgcacaaac taaatatgga taacaattat caaattaata gtaaaaaagg ttcaataaat 360
 gacataatag ggatggcgaa ggggtacaca aagtcacacg gaaagatgtt ctgagatgat 420
 tatatttttc aacaagactn tgcttttgaa t 451

<210> 33875
 <211> 303
 <212> DNA
 <213> Glycine max

<400> 33875
 ttaagcttta agcaagttgc ttcacaaata atcatcacac agtatgcaac tagcaaagcc 60
 acccatcatt atgtccgaag cacctatacg catgaaattt atgagagaaa gaagtcacc 120
 caaacctgaa ttgtcgaagt ccagtcgta tgcacgcact tcatgacccc gaagatgctc 180
 tccttttcgcg atttggggca gaaatgatgg ccaacggctg aagctttgtg tggaggttcc 240
 atggagactg aagaataaga gaacgacacc gtgagggaca gagagggctg tctgaaatga 300
 ctg 303

<210> 33876
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33876

tttaagttgt gctgcacaag gaggatgtat gaacatttca tctttaattg ttgagttaag 60
 agtgtgcagg tagtttctaa cttttgttac ttatttttat ttgtagaaca agttgaaaat 120
 accatgcatt tcatataaag atggggcatg aactanaaga aacaactggc atcaaggatc 180
 aagctggact tcaacacagt gttgtgattg ttgtggaggt cgacaatgga aaaggcaaac 240
 tgagagccta ctttggcgat gaaattatgt ttattattaa tgagtaccac acttatcaaa 300

gttgttatgg tcaatttcaa ttcattgggtg aatgcaagtt tatgacccat tttaccccga 360
 taagtccatt agcaatgcct cataactcaat gcctgactca ttccanaatc actctttaaa 420
 ggatagtcac tc 432

<210> 33877
 <211> 115
 <212> DNA
 <213> Glycine max

<400> 33877

agctttgagc aaattttaac gacaataact ctttactcgg atgtctgatt gagtcccgtc 60
 atatatcgac atgctcgaac tggaataccc aagctctgag ataactctaaa cgacc 115

<210> 33878
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 33878

tcggcattca agtccaatcg tctcgatata ttacgggact gaatcaggca tccgagtaaa 60
 aagttattgt ggcttggaat tgcagagagc ttcgggtattc catttcgagc gtctcaatat 120
 attacgggac tcaatcagac atccgagtaa tacgttattg tcgtttgaat ttgctcatag 180
 cttcgataat caatttcgag cgtctcgata tattacggga ctgagtcaaa caaccgagtg 240
 aatagttatt gtcgtttgaa tttgctcaga gcttcaacat tcaatttcta gcactctgat 300
 atattacatg actcaatcag acatccaagt aaacagttgt tgcggtttgg aattgctcag 360
 agtttcaaca ttcaatttcg agcgtctcga tatattacgg gagtcaatcg aacatacgag 420
 tcaaaactta t 431

<210> 33879
 <211> 359
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33879

gacctctna gccgagatga cggcctgcag gctttagct gcatgtgtgc tttgtcatgt 60
 ggcgacaccc gaatatcggt ggctctactg attatctgtg cccacatcat ttacctatgg 120

[illegible]

taacttaaca taattcacat catntnttaa tcattgtgta acttcacttg noctaaggat	60
ttaatcaciaa aatcatattc tataccttca cattaatcac atgttcataa cacaacatct	120
caagtacaac acaacatctc tcacacaciaa ttcattacc accatcacat agcaagtcac	180
aatgatcatt acacagacgt tatgcaacat atatactaag actcaatcct atattgaatg	240
tggtatctta tcagtgaaaa ataacgctag ggcacctagg attacataat aaaatacacc	300
acacaatggg taagcaggtc actcttatta aaagacatca taagggtgatc aattacgggt	360
attctgttta gcgtgaatgc tctaaccata tgagatcaac atagatntaa aggagcactc	420
acatcgagt	429

agctttacta	tcacaagcac	atacacacat	tactccatta	atgcatcaca	cgatactcta	60
tttgaaaaatg	gatctttcac	tctgtacctg	caaggactgc	tgacccttcc	acctgatagt	120
tcattgaatc	aattgacaca	atatatcata	agacataagt	ctcaaagttc	ataaatagag	180
agagccacac	ggtcaaaata	agcacactaa	ccatgactgc	agaaacaaat	attgaaatac	240
ataatatacc	actattatgt	gtagcgcac	tcttcaattc	ttgtacctaa	aactcgattn	300
tcttggttaac	cacacgcaaa	aagaccacca	aaacgagact	tgtcaaccac	ttgagagcct	360

<223> unsure at all n locations
 <400> 33884

tttgagtnt catttaattgt cttanaaaaa gaaatattgn gcaccataga aaggatatttt 60
 tttgttggtg tcaaaatatt agttttattaa aaaaaaaaaac tcttgactct acaatagaaa 120
 attcccatga atagccatct ctcaagaaga ttgatgggtt cgacttttgc ctcccttaat 180
 tntttttaga tttaaatatg tttttgtttc ctcaaatttg ggtcactttt atttttgagg 240
 aactaaaaat agaatttttt gaaattgaag aactaaaaat atttttaaatt tttggaccaa 300
 aataaaataa ctaanatttg agagacaaaa aatatattta agttttttta ttctataatt 360
 taaatagttg gtttaattca tataaagaga aaacaattca tttatatcct ctctaa 416

<210> 33885
 <211> 182
 <212> DNA
 <213> Glycine max

<400> 33885

agcttgccga tcgtctgtct tagttgaata ggtgtattac tgatatttgg tggacggatc 60
 attaaccaag ggagacgtct ctaatgcagc agatttcgac gctggcaata tatgttcact 120
 tggcgtaaga attagcaagt gatgaatgat ttacttgtgg atgaacgtgg ccacagaccc 180
 ct 182

<210> 33886
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33886

actcaacttg gaatcgatac accccttnta atcgattaca tttgccatct caacctcctg 60
 accctatttt taggcctggg aatcgattac acacccttgg taatcgatta ccagagacca 120
 ccttaacttc ctgtcttcat ttttaagcct tgtaatcgat tacacacct tggtaatcga 180
 ttaccagagg ccatattcca aatatcactc aagatccata gctggccagc caccacacaa 240
 gcctccttgc tttgtgggtct ttgttctttt atcggttgac tgccaggagc tctcctgttt 300
 aagtacgtca tangttctca ctgaatgact atgcccagggt tgggtcgga ttggtcaagc 360

ttggttntgg gcaatagcac cccacctggc atccncaagg tctcctggcc cccacgacat 420
atctccaggt accactct 438

<210> 33887
<211> 409
<212> DNA
<213> Glycine max
<400> 33887

agcttggttac cgatgagggt gttgacttct tgcgtggaaa gaagggtgac ctcaatttgc 60
tggagaactt gaagagcact ctgagagtgg ctggagggtgt gcttgatgat gctgagaaga 120
aacaaaccaa actctccagt gtcaaccagt ggctcattga gctcaaggat gttctttatg 180
atgccgatga catgctggat gaaatttcca ccaaagctgc aactcacaag aaggtagcga 240
aagtgttttc tgcgtttacc aataggaaaa tggccagtaa gttggaaaaa gtagttggga 300
aattagataa agttctagaa ggcatgaagg gtcttccctt gcaagtgatg gcacgggaga 360
gcaacgagcc atggaatgct ctgccaacaa catctctgga agatggata 409

<210> 33888
<211> 453
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33888

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tgaagcacca ttatggattc gtttcttggt ctctgctatc tagttcattt ctctgaggca 120
aatcgtaac attctagggt gtggaaatcg caaaccgta agctttttgc ctctgctgctg 180
tctagttggt ttttagaagc aagaatgtcg ttctgtttgg gtgtcaaagg tgggtggttaa 240
aaaacatggc tgctgcctga aacatgtcat cgtcagcgtc gttcccatgg aaagaagttc 300
ctcatcgta accttagagc cccgaagtcg cgtgatgtgt ttgtgtaacg tagagactcc 360
attggtgaca tcgtggatng aggataatcc acganagctt tntatgggtg tgggtcaatat 420
aaghtaagga ataatgtata tcgtgggtta tgt 453

<210> 33889

<211> 409
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33889
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 acgttataat ctggattctt gttgacaaag acagtagtat agggacatt acaatgcaca 120
 gaagcagtac gcaatctatc tatcaagtat gctgctgtag tgaaggcaaa atccccaac 180
 ttgagaggca gtgaagcttg tttaagaaga gcgagtccta attccacaat atgtttgtgt 240
 ttccctttcca ctacaccatt ttggtgatga gtgtgtggac agatcaatct aagagtgata 300
 ccttggttg ctaaaaaatt agtgagaggt ctgaactctt ctcctcaatc tgtgtgaaca 360
 ctcttaattc tggagtcaaa ctgaagttca ttagcttgaa ctggtgaaa 409

<210> 33890
 <211> 455
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33890
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 atcatcatgc tttgataaat gcaaaaacaa gaaaactagg gcaaatgaag agggtagaaa 120
 tgaggagaaa gcctatgctg tgacagccat tcctatatag ccaagtttcc caccaaccca 180
 acaatgtcat tacttagcca ataacaaacc ttctccttac ccaccgcca gttatccaca 240
 aaggcaatcc ctaaatacaac cacaaagtct gtctaccgca tttccaatga cgaacaccac 300
 ctttagcaca aaccanaaac accaaccaag aatgaattn tgcagcgaga aagcctgtag 360
 aattcacccc aattccagtg tcctatgctg acttgctctc atatctactt gataattcaa 420
 tggtagccat aaccctagcc aaggttcac aacct 455

<210> 33891
 <211> 361
 <212> DNA
 <213> Glycine max
 <400> 33891

tcacgcttga tgacatgttg agactgatgt gatcttgccg tatcacaaga tctgttctat 60
 tgacgtttga atcacgctga ctggcggaga taccgagtg gttatccgta taaactttct 120
 tttgctatgt ctaagactta aagcatgaca acaagctgag ggggtaatcg cgcagaacat 180
 attctgcacc tttatcattc ataatcgac cgcagagtg ggtaaacacg ccgatacata 240
 ttatgctccc tttatcattc atgaacaaca agctgagtg gttaacgcct atccatagat 300
 gttgcccct ctatcattca gatttctcac gttgcccgat atacacgcag aaacaaatcc 360
 t 361

<210> 33892
 <211> 452
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33892

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 tagaggatga tgtaattaac taataagatt tcctacgtgt taggtataat tattaagaag 120
 aggactatg tatatagact nttatatata aatcttatta gagttttaac acaatctcca 180
 ctggtggttg aaatttattg agaattataa aataagaaga atgactcatc aaatgactag 240
 tgggacctgc caaatttgtg attnttaaga aatttgagcc aacaataaag agtgtgttca 300
 acagaatgtg ttagagacag tggtgctagc atttctctgt ttaggaatgg tgttttagt 360
 tattagtga aatagaaata gaaaatatct tccttatgtc aaacaggctc ctgattntca 420
 gtttctcag acttggtgtg tcatgtgcga ta 452

<210> 33893
 <211> 323
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33893

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 ttgcaatcct tggccacaga tcagcacact cttttccaat gggaccagtg atagcagaac 120
 ctacattgaa acatgtcaca aacaaaatta ctaccagcaa atgcatcaat agaaggtaa 180

004406:90Feb90

acggcaaaga tgaagagaat aacaagtaca tgagaacatc tcatctgtat ttctttcttt 240
ttgaaagcca aaaataatca gtggctactc actacataaa catgcacttt gttaccatgc 300
anataaaatc ataaacgata cct 323

<210> 33894
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33894

tataaacgaa aatcaagtgg gaaagatatt tttcatttat ttatagttta gttctaaagg 60
tctgatcaag ttgtatgcaa tgggtgaccg atctctagaa gaaatccttg ccctaccgtg 120
taaaccaagg aaaccaagac ctgtcaaaga gataattgct ntgatgcatt gattaatgac 180
gacaacaagc tctaatagaag atcataactc tatttagtca tgtttttaat tgatgaaatt 240
tatgttagtt gtgggtggtg ttcttggtgt tattgttggt tgttttttgg atttaatcaa 300
aattctattc ttattacat tactaggcat gtgtcattta cacataaaaa caaggaanac 360
gtagaccgtt aaaagtaagt tcatagaaca taaaaataag tttgtacaaa aaacatcata 420
agtcgaatac ataataatat aaaatatcca acagact 457

<210> 33895
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33895

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gtcatttgag agcaaaactt aatgccttgg tctaatagagc ttctgacag gttgacacgg 120
catcatcatt cttgaagcca aaacttaagt tgactaacat taaaaatggtt acgaatggtg 180
ttcataatcc aataacaaat gagaaagaat gcttactaat tccatagaaa caagaaaaag 240
aatacacatt cgttcatatt tcacaatctc aataaaaaaa cttgcctctc cataatactc 300
attntcagtt gtattctagt atacaagatt atacacaatg caataatttc agaccatata 360
nagagaacn cattagttct tacagaccta tacaataccc atacagagaa cttacattct 420

at

422

<210> 33896
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33896

ntacaactta agaaaattaa atataaagag gatagagtct gcataagata gttcgttcaa 60
aaattcataa cttcaacact tttggtttgg tatttatagg cttcaacaac aagtgactgt 120
tgtgagtaaa tgacattttt tttttgcatc tagaacatcg tctaaagtag gtgtttattt 180
gagtattaaa tgctgaattt aatgctagta cactccaagc taataaagaa ctctgcttat 240
cttccttaag ataaacttta caattgattt caatgggtcaa atcacnttt gcataacaat 300
gacacatctt tttttatgtg aagcgagact ntaaaactta actttgctct cactttcttc 360
acttcgacaa atggtaggaa gaataatcac atatttccca naaanaaagg atcaaccaat 420
atagagcatt aaatgggtct ta 442

<210> 33897
<211> 311
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33897

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taacaagcta ttgtcgtttg aatctgctta gagcttctgt tctcaatttc gagcttctcg 120
atatattacg agactcaatc ggacatccga gtaaaaagtt atcgtcgtta gaaatttctc 180
agagctttcg ttatcaatta ccagttactc gatatattat gggattcatt cggacatccg 240
agtaaaaatt tattgtcgtt tgattctgct cagagattnc gctatcaatt acgaggatct 300
caatatatca c 311

<210> 33898
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 33898

ntgagcaaat tcaaacgaca ttaactntnt actcggatgt ctgattcagt cccgtaatat 60
 atcgagacgc ttgaatttga atgccgaagc tctgagcaaa ttcaaacgac aataactttt 120
 tagtcggatg tctgattgag tcccgtata tatcgagatg ctcgaaatgg aataccgaag 180
 ctctgagcaa attcaaacga caataacttt ttactcggat gtctgattga gtcccgtaat 240
 atatcgagac gctcgaaatg gaattctgaa gctctgagca aattcaaacg acaataaatt 300
 ttaactcaga tgtctgattg agtctgcaa tatatcgaga cgctcgaaat tgaataccga 360
 agctctgata aaattcaaac gacaantaac ctttactcgg atgt 404

<210> 33899
 <211> 317
 <212> DNA
 <213> Glycine max
 <400> 33899

agcttgttga catgcggaga tatatgtcat cttgcgctct cacaagatct gtcattattga 60
 cgtttgagtc acgctgactg gcggagatac ccgagtgggt atccgtataa actttctttt 120
 gctatctcta agactcaaag catgatacca agctgagtgg gtaaacgcgc acaacatatt 180
 ctgcaccctt tatcattcat aatcacacaa tatgagcggg taaacacgca tatacatatt 240
 ctgctccctt tatcattcac gaactacatg ctgagtgggt aaacgcgtag acaaagattt 300
 tgcgccttat atcatc 317

<210> 33900
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33900

tgcttttggg ttanatatga tttatacatg atttattatc ttgtangatc caatttgagc 60
 aaaattggat gtgggtaaga tggatttcga aatctgctca attgtgcagc aaanagctgt 120
 caaattgtgc agccaacttg accaaatgtg cagaaaaatg cttgtgcatt gctggttatg 180
 ggaaaggtag tacacattgn gttctagaca ttttctagta gatcccaacg gtcaaactgt 240

agatttatgt actaggaacc tatagtaaaa ttttcaagtc gatccaacgg ttaacgaatt 300
 ggaacaaaga gaatgttact ggngtatttg agtaaggaat gctataatat gtgaatgtgt 360
 tttgggcaga agtttctgcc tcttgccctgt tttcttggtt taaggtagtt catg 414

<210> 33901
 <211> 323
 <212> DNA
 <213> Glycine max
 <400> 33901

agctttttat ttgatgttta ctttaccacac tcattctata tgtttgctat gaaatagacg 60
 ttgaagaatt cgattaatct ctaacctttc acatatatag aacctgcttt gcacataact 120
 ttgcacatga gagatgctga gttcgacctt tcaaataatc tgtcttccta gcggggttgta 180
 gtagctaaac aataacaaga cacagagacc ttcacatctt gattggagtc taattgtatg 240
 cgaatcctac acgacggata ctcttagatg tgctatcaga atagtagcta ccatgatgaa 300
 agccacttta atactggata tta 323

<210> 33902
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33902

ctcagctnta ggggtgaaag cacagaggcc aaatatctaa tctttactct gaagcggttcg 60
 tcccttatcc agtttaagac caaattagat gtgtttttgg ccaataacac aaaagaagat 120
 gtttgtgact ttaagggtcaa aggtagttgg ttggaacgat cttgcgttgt ttatgctggt 180
 gaatctaaca acatcgtagc ccaggtaaaa cgatctcttc tgtttatata accaaaacaa 240
 tctctctttn nctttntttt tttttttttt ttttnaataa aaaacataat aggttttaat 300
 taagaattta atgcctatgc tgatggtata atatcattta attattactt taatataata 360
 attaaaaaaaa attaagaaac ttatcatata tctatgctga tgggtataata tcatttaatt 420
 attactttaa tataataatt aaaaaaat 448

<210> 33903
 <211> 494

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 33903

 acgcgacggg gctaggcgct gtgngcggta ttgaaagcac tcgacaanca tagggngaatt 60
 tcagntcgca cccgggatcc tctgaggctt ctggattatg caacctctta tcccnggcac 120
 cgtggatggt ggtgaagctc cttctttctg acttattccc tattggatga cgctcctct 180
 cacctctttt gctttatctt ccgacgcact accacggtgg aaaccaccca tcgcacgacc 240
 tcattgaagc tcacagaccc agcctcatag aagcttacia gcaagcttac atcaagtgtc 300
 aatccgagca caagagcttc cagcacgcgc tccttaaccc tccattaact ttcagcttta 360
 gcttcgtctc cattgtcgtt atccatttat ctccatgtat ctgctcacat gccttgtgtc 420
 aaatgatgtg cacatgactc ttgaacatct caccgactaa acttgctata caaagtagat 480
 gcgactttct atcg 494

<210> 33904
 <211> 424
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 33904

 nttaccatan acagcaatct ttaaggnaca ttagcattaa ccatgcaaga gtaagttctc 60
 caagaactat ggctgttaac tgaaatcacc atacctccac aaaagttgtg tattagttca 120
 gatattctaga tcacatgctg aggtatataa tttgatnta acttatggga gaagctcaat 180
 ctatgttacc ttcttatttt ctctataat ggagaagttc atccaaacat aacttgccat 240
 aaatatatcc atcaacttgc ggaaacaagt taagattagc ttatattgat aatttcgcaa 300
 agaagcttat tgttacaagc caaaaatata agcaatcttt ataagtctga agatgctctg 360
 tggaagctaa atgctctaata tgtaaaactaa actactggcc ttggattttc acttctacct 420
 caat 424

<210> 33905
 <211> 373
 <212> DNA
 <213> Glycine max

<400> 33905
tctaccttat attcgatgtt cactctaaaa atgcatttta aatggtttct attagataca 60
cgctcaacaa ttcgttttagc tctctaccct tccacatata tacaacctgc tttgccgata 120
actttgcaca tcacagatgc cgaccttgac ctttcacata atttgtcttc ctagccgggt 180
ttagcagcta aacactatca agacacacaa accttcacat cctgactgga gtttcacgt 240
atggcaatcc tccacgacaa acatacaaag acgtgctctt acaataaggc cctccatgat 300
gacagccact ctaatactgg atattattat catcctccct tataacacac taattgaggt 360
cccaaataac tcg 373

<210> 33906
<211> 378
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33906

ctataaaact aagcttaacc tagaggacca gactatccag tggttggttt atcacgacaa 60
tgtctacaag attgacttgc ctagtgagta taatgtaagt gccattttca atgtgtctga 120
tctatctctt tntgatgcag atggaggggc cttgggtttg aggacaaatc cttttcaaga 180
aggagggagt gatgatgaca taaccaaggc caaggaccat gaagcacttg aagggcctat 240
gaccagagggc agacttaaac aagcccaaca catcatagag acaagggttg tcatttgtat 300
agctgccatt gatgatgatt gaaggcccaa gtggagaaag atgaatgcc agaggcagag 360
gcactaccaa gactacta 378

<210> 33907
<211> 397
<212> DNA
<213> Glycine max

<400> 33907
agcctgaagc attacttcag gtatactcct gtattttggc atctgtctta catatgttca 60
ccaatgggtg atatttatag gttgtgttaa gatgtgtaga tctagtggca ctaagtctct 120
ctggaattgt ttgatcttgc gattaagtct cactcaagct gctctgcttt cactttagtt 180

aatgagataa gtctagggtg ttgttggttt gtgttacgat gtgatgctaa ttatgtttata 240
 tctcatataa tacaatatgt aacatatttt ctagcaaccg acaactaaac ataaaaactt 300
 ctaaagcata ggagacaaat gcaccttttg gtgcatattt tatgtgctaa'aaacacttgg 360
 ctttgcacaa ggtgagatgc gacctcaa atgtaat 397

<210> 33908
 <211> 455
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33908

tcacaaaaag agcccatnt ntgccaattg aattatgttt aagataatag agagaaaaaa 60
 tttgttcagc aataaccctt tatgtttgag ggagaaaaag aacacaaaat aatagaaagg 120
 aagccatcaa ccaatgagct agtcacaatt atccaatagt accatcatan agaaaatgca 180
 attaataata accccaccta aagaaatagc tctaatttat actattccaa tagcaaaact 240
 ttnttacctt ccattgctaa tctcgtntt cccaatgaaa ccaaagaaag gacctgatc 300
 tgcttcatca agcttcttct gtttgaagta ctctgcaac tccttagcct tttgcctctg 360
 aaactccaat gtaatgacat tcttatcatc cccaacaaca gtagctggct tctgaggngg 420
 tgaagaggat ggtgatggag gctgagaang aagtg 455

<210> 33909
 <211> 399
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33909

ccggatctta agcatgagca tgcagcta atgtaaaatct aaatgcagca tatgaaaatt 60
 tgtgtaatcc tttggcaaag gaaatgaatg attacaagag tagataaaac tttctagtcc 120
 tctagaatta atgtctaact tatttcaatt ggttgcataa ttcttagagg tctatagaaa 180
 atttgatgaa tataatgcca aaacatgaca caggtgtgaa gttgcagaat tattctgcat 240
 aatggtgagg gttacgcgct tgtttgacca tctanagccc ttacgctcgg ctaaatatga 300
 ttctcttgct cccttcacat gtgatgagt taatagccaa catggtattc aattcta atg 360

tgagtaaact tgtgccttca tagatataac tctggaaca

399

<210> 33910
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33910

tgtgtgaata ttaatccaat ttgaaacacc cttgcgtttt agaggcttga aaatcatctc 60
tcaagcaagg atcaacagct gcagtcaatc atgtttgggt ggtgaaattg ccaaactagg 120
tgccaaaagg acaatattcc aaattggcaa taacaaacat gaatgattac aaagctcatg 180
cttttgggtt gactagtgtt ttttaaggta tcaatgtcta ttcacactag agatgtgttt 240
gcaatttagg ttgttactaa cagagaactg aatcaagacc tattttgcgc tnttatctaa 300
tattttcata ttttaagatc gggttaaattg tcaaaagaac aattagacta cagagaattc 360
atagtgatcc ttatctttnt ggtgtataat aacagttcga atctaaatca tcaagcatct 420
atttcaattc accaccgtta agccgatcat a 451

<210> 33911
<211> 368
<212> DNA
<213> Glycine max

<400> 33911

catgaagaga tgaccttgag gagcagagaa ggacttctca taagaggtaa cgagctcacc 60
taacgcatgt tgaagattgc aaaacaactc gctcaccggc accagcgtcg atgatgatgc 120
ctcattgtcg aagttcgaac accgccacct gaggatcatc ataaaacgaa gaagccgaac 180
aggattccca tgcttgaagc attgccgccc aggaggaaaa acactcattc taacgcatcc 240
actcgtacca cgatcgtgtc ggaccatcca tgtaaaacgg cgccactatt actactgtat 300
ggcgcgagac tccttgatag tccaagaact gagatattct acatatccac accatacggg 360
tgtgacct 368

<210> 33912
<211> 459
<212> DNA
<213> Glycine max

[illegible]

<210>	33913
<211>	285
<212>	DNA
<213>	Glycine max

<210>	33914
<211>	449
<212>	DNA
<213>	Glycine max

tgctgaagag	agaaggtaaa	ggtaacaaaa	tttggcattg	tgaattgttg	caacacactc	60
atgccattgt	ctattttttt	ttatatgtat	acaatatata	tagaaaagta	aaacaaaact	120
gcttattcta	ttaaaaaaaag	gacaattntc	gttntttcaat	acattaaata	ctaaattgat	180
tggcaatgct	aattntaaga	attaaattga	tggctntcta	tttttactgt	tttccaaaat	240

aagtttagtt aaggattcaa gagtgatttt tctttttttt tttaaaaaa aaagaatagc 300
 atttaatggt accgatactt ccacaccttg attntaataa aagtttecta attgaaaaga 360
 tattcctata aagaattaaa aatggacaat taaataataa taaattnttt actatcatcc 420
 aatcataatc tataatatat gataaattt 449

<210> 33915
 <211> 301
 <212> DNA
 <213> Glycine max

<400> 33915
 agctttgtaa caaagatatt ctattgcact tggcttagcc cactaaataa tagccaacaa 60
 tacaaaaaaa atgaacatat tagcaatgga ttacgtgttg gggttagtac aagatcaacg 120
 gggttcctaac acaccaatct aatacttcaa tcaattacca aaaggctata ttggttccat 180
 ttgatagtta cataaaagta tttctaatat ctgctgagaa aaagtatgat ctattttgca 240
 tttaaaaata tacaatcata atccatagag aaaaatagat ctatgtaacc caatgtgcat 300
 t 301

<210> 33916
 <211> 446
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33916

tgttcgca tcatcacgt gtatgatatc cactcgtata ggtttgaagt ataggagacc 60
 ttcaatccta taacgcaaca tggcgggacaa aagtgggcag ttaacttgaa tggccattat 120
 tgtcaatgcg gaaggatattc tgcgtttcac tatccatggt cacaaattat tgcagcttgt 180
 ggttacgtga gcatgaacta ctaccaatat atggatgttg tttacaccaa tgagcacatc 240
 ttanaagcat actccgcaca gtgggtggcct cttgggaatg aagcggcaat tcctccttct 300
 gatgaggcat ggacactaat ccctgaccca actacaattc gtgcgaaagg tcggccaaaa 360
 tcaacaagga taaggaatct aaccaccgac aaaaatgtag tagatgtgga gcagaagggc 420
 acaataggcg ccgatgtcca atgcaa 446

<210> 33917
 <211> 74
 <212> DNA
 <213> Glycine max
 <400> 33917
 caattcatat ggagttttct ttaaaatggg tcttattaaa gccctatcta taatgtacca 60
 cgcagtgtta atgg 74

<210> 33918
 <211> 442
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33918
 ntataagcgc gggctctggga gacaaagttc aagaggttgc gatatgtgaa gatgatgttc 60
 caagtacatt ggatttggtta cgaccatgcc ttcctgattt ccagctggga aattggcgag 120
 tggaggaacg ccccggcatt tacacaacga gcataatgta aacctttacg gttttaaaag 180
 ctctatagtt gggcctagtc tatagagttt ttccttttgt taacgcttcg tgtcttttgt 240
 ttttgaattt ataatacaag gatctttctt catttggtcc tacgtctcta cccattctca 300
 ttcattngca tgtatacttc tttttctgaa acggcagatc cgatgacgag tcccccgaaa 360
 gtactaatac ctgggacccg cctatcgact ccgagcaaga aatgaatcan acggatgatg 420
 acggacacga ggatgtggga ct 442

<210> 33919
 <211> 402
 <212> DNA
 <213> Glycine max
 <400> 33919
 agcttgttgt cattaaatct tacatgaatg gccttttcta cagtcaaggt tctggagtta 60
 tgcactctgt atgccttgga caattcaaag tattcaagta agattctaga atcacactag 120
 gagtcaaact ttccaagttt atccttggtg tttaggatga aacgctgaca tccaaatgag 180
 tggaagtaag agatattggg cttacgtctc ttccataatt catagggact tctttaagat 240
 aggccttatg taaattttgt tctataaata ccaggaaaca tttacagctt caaccataa 300

atctttggga gttgagtgat cgttaagcat tgttcatgcc atttcctgaa gagatatctc 360
 ttttctctca acaacttcat tctgttgtgc tgttcttgga gt 402

<210> 33920
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33920

ntaggtagaa agacttgctn tcatgattaa nnattttgtt ntattttttc cccacttgaa 60
 ataagcatgt ataaaccaat cccaatcaa aatggctaan aattatctg accatgcttt 120
 aaagaaacta caaatgttac tggtttctcg tgagaatgtc tttatgggtgt tttattgtca 180
 gactctgctt cgataaattt gtccataaaa agacaaataa atgagtttct tctataattt 240
 aaaatcaact atgcacaaca ttnttaaatt ttctctcatt ctaataattg tctaanaatt 300
 aagaacatga gttaattnta gcttattggt taannatcaa tatatttata tattnttttn 360
 tattntcttc ggtaagtact tgtgaagaag tttatcanag ccttaattag cacttagcat 420
 cangagtcac t 431

<210> 33921
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33921

tagcttctac aagaagagat gaccagagg atcaaagatg gacttctcat aaaaggtaag 60
 gagctgaatt aaagcatggt gaagattgca aaacaactcg ctcatgggca ccagctcgat 120
 gatgatgcct cattgttgaa gtttgaacaa cgccacctga ggatcatcat aaaatgaaga 180
 agcaaaacag gattccaatg cttgaagcat tgccgcccag gaggaaaaaa actcattcta 240
 aggcacccac tagtaccaag atagtgttgg accatccatg taaaatggcg ccactattag 300
 tagtttatgg tgtgagactc cttgatagtc gaagaactga gatattctaaa tatccaaccc 360
 atacggttgt gacctgcana cgttgggaca 390

<210> 33922
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33922

tgtaagtcac atgttgaacc cattttttgt agtagatcaa atcaaggtct tggaagtagg 60
 agtggaccaa agagaggag tgatgttgaa gttctgggtt atctttgttg ggttcatctt 120
 caaggcttaa gtgaaaatca ttatttcatg cctttcattt gaactgcttg atgatcaaca 180
 aagttaaaga aggtcttctg tttgagagga taacgtgtta gctntagttt agtcacatta 240
 ctattgaaga taagggttgg gtttttgtac ttactaatcc ctttcagggg aagcgacatt 300
 cactaatggc tggcatgaat ttgttaggaa taattcacag ttntaaaaag ctgtaaactg 360
 gtagttataa nggtgggttaa gtttgttttc ttataaccaa caagcagtta ctattaacct 420
 gctatata 428

<210> 33923
 <211> 326
 <212> DNA
 <213> Glycine max

<400> 33923

agcttaacca ttatatgttt tattttcttg cataaagaaa ataaatgtgg gaaggctgtg 60
 gcatgatctt tggctctaga atcaagaatc cactcatctt ggctagtctt gctaacactg 120
 caagtaacag ataataact acctttgtta gtagctgtac caatctgatt tatttgtgaa 180
 ttgttttggga ctataggttg ttgtggtaat gacatccagg ctttatattg ttgagtagtt 240
 aatettacat cttcattttg cgtctcttga ttctgatcta atggtgaacc atcaccttct 300
 tctettatac tactagcatt attgat 326

<210> 33924
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33924

tgccagaaag ganaacaagt aaaaagttct tttaaagtca aaaatgttgt ttctacttct 60

aggccttttag agctcctaca ccttgaccta tttataccaa ctaggacaac atccttctat 120
 ggacgcagat atgggtctggt catagtggat gattacacta gatggacatg ggtagggttc 180
 ctaaccacaca aggatgagtc ttttgatacc ttctataaat tttgtaaaaa gatttacaat 240
 gaaaaaggta tttgtatctc ttcaatcaga agtgaccatg agggagagtt taaaaatgat 300
 atttttgaaa aaatttgtca agagaatggg attcaccaca attttccact ccaagaacac 360
 cacaacagaa tggagttttt gagagcaaaa atagatctct ttaagaaatn gctangacca 420
 tgcttaatga cccacccaac cctaaatact 450

<210> 33925
 <211> 418
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33925

agctttcttt cncctgtttt tgcacttcaa ttattattca aaaaaattca tcaaaaaaag 60
 aaagcgcgca tgtggctaca tggatggaaa gtaatcaagt actgaagtga gaacttgtgc 120
 cccccaaaat ttgaaacctt cacaaagtag tgttgaaaat gattaaatca ttccaagctc 180
 atccgcttag ccctaattgac aatatatctg ggacaaaacc aaaagaaaga aatatataat 240
 ataatcccg c tgaaacagtt agtgaaattt gtcaaatttg aaatatataa tataattcct 300
 gatatatattt ttcttccaat ttgattggga gacaaccaa cgacagacat acatacatc 360
 aaaatccagt tgcttaatca catgagctac aagtacatac aatacaatta atatccaa 418

<210> 33926
 <211> 468
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33926

cgccgcccgcg nttcaancgt tganncttga gcccgttcgt gctacaagcg actctatagg 60
 aatctgaaga ctttatgaga gcacggctta gtggatagaa tgctcgggta tggcagcggc 120
 tgctgtgcac actggcacga tgaaggacga gatgaatgcg ccgagccatc tctctctaga 180
 tggagcccgc acgatgacct ctaacgctga acacggcaca ttacatctgc tagcacctcg 240

ctatggtaca cagagcattg ctgctctat aactatggcg gagaagcgca ttgaccctat 300
 gccccctcac ccacactctg gacgtgtcta gcatgacaca ccaaaccatcg agtggtaact 360
 gatcatactc tcagaccgga ttctctcacc ctacgttgac atgacgctcc catagcctat 420
 ggactccctg agatatcggc cagatcagct ggcgcgcaga ccttcaaa 468

<210> 33927
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 33927

gctttaatgg cctagtgagg atggagaggc gcaactaaga agccagtgga gtttgatata 60
 tccattgaac agtacaatga taagggtgctt tgtgatgttg ttactatgga cgctagccac 120
 ttactcttgg ggagaccatg gcaatttaat aagagggcta atcatgatgg tttcaccaac 180
 aatatctctc tcacggatca acgcacaaaag atgtgctcta accattgagt ccacaagaag 240
 tgtgtgagga tcaaagacaa atgagagaga taattcttca agaccagaga gacatagaaa 300
 acagagccaa acacttgaga gttcaaaaag tgacgacaaa cagagggaaa cacacgagag 360
 gacacagatg agtgaaacac ttg 383

<210> 33928
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33928

tgccaccag ctgcccagg cgagcagggt tgcttctctc cagaagaaac agccttctgg 60
 aggaatcttc tggagagccc aagtgggcct ggtttgctat tgcaccccca tttttactaa 120
 gtacaccct tgcctttttt ttggtgattc ttnttcgta aagttacgga aacttacgaa 180
 tttcgtaacg atataaagag atttggtata tagaccgtgt tgatatatag accgtgttga 240
 tatanagaaa ttntatttag cattgttaact acggtttaca ataatgccat anacttgaaa 300
 atcctgatga gtcattagag acatctaaca acaactntca naattgcccc atgtgtggtg 360
 tcacttgta gtgttaggat tcaacaagcg attcttctca natttcagcc agcccgcatc 420

aataaacctt gcacctt

437

<210> 33929
<211> 200
<212> DNA
<213> Glycine max

<400> 33929

agcctcatga aaaatcttat ctctcatttt tggagcatca agaggactca gcataattca 60
gaacgggggg atgaattaat tattaatgtg tcctgactaa ctaaaaatta tccctcttaa 120
tattactaga ttcaattacg cttttactac tacgttaaga aactaaagaa cagaaacaga 180
cacttagcca aaagtacaat 200

<210> 33930
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33930

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tttcattaat atttttttat ttatttatta tcttataggt atgtagaaaa acctgaaaat 180
tatcctgtca taggaacaaa atgggttttt agaaataaat tagatgaaca tggcatagta 240
agaaacaaaa caatattgct ttatccattg cttaaagcgga atatatctct gccggcagtt 300
gttgtgcaca gattntatgg atgaagcaac aattatctga ctatggtatc cttcttgatc 360
acatacctat tangtgtgat aatactagtg ccataaatct atccaaaaac cctgtacaac 420
attctcgaat 430

<210> 33931
<211> 323
<212> DNA
<213> Glycine max

<400> 33931

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ataagcttaa agatcaagaa caattgatga taacaaagat gatgatttca agactcacat 120

atcgagttca cgatgttcaa gattgaatca agaacactct atggctcaag aggaaatttg 180
 atttcatgaa tccagaatca acattcaagg ttccagcttc tccgaatcaa tatcacgatt 240
 catgactcat gattcacgac tcatgagaag acttaatcct gtatagtact aaaaagtgtt 300
 tcactaactg agtatcacat ggc 323

<210> 33932
 <211> 288
 <212> DNA
 <213> Glycine max

<400> 33932
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 gatgaccatt tgtcctaata tcaacacatc ttccaaagat taagattatc tgaagctcat 120
 ttgcaaggct attaaactgca ttatatattg taacaacttc atgacatcta tttttggcac 180
 agtttcattc aagatacata tcgtaataac ttcattatct ctatgcttgc cccatgagtt 240
 ctttacatat gatttattca ctcggcctta cgttaagact acatgtgc 288

<210> 33933
 <211> 270
 <212> DNA
 <213> Glycine max

<400> 33933
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 ccagctcatg acgttaaaga gtctatctcc ctgctttaat tttgttcttt agaactcctg 120
 cttttattta tttgcctatt ttcttgaata ttatctgaat ttgcctatct atctgtgacc 180
 ataggagtct aaaaaatata tacatgacca ggaatgatca aattttgcaa aacaataaag 240
 ggggttagct cgctgctgca agcatgtctg 270

<210> 33934
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 33934
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cttccttttc ttaaagccca tctgcaagac attagcacag gttagtttca cacaaaaaca 120
 taaaaataaa actgaaatth tgatatgtgc ttagcgaagc atgtcgcgct tagcgcgcct 180
 tataaaatth tacttatggg ataagcgcag tagactcgca cttatcctga atacacaaaa 240
 tatttcttct gtacattaag cttaccgcag caagctgagc ttaacctaag tccacaatct 300
 ccaaaataga agagagttgg agcttagtgt agcatggcgc gcttagctat cgttatcaga 360
 atgacac 367

<210> 33935
 <211> 411
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33935

agctttgcag atttgggtctt cgccagtgaaggatcgatg tgggtctgaa aaaaggcaaa 60
 tttgatcatc ctactaggac gactgagaaa actgggggcaa ataaagaggg tgaggatgag 120
 ggagaaaccc atgctgtgac tgccattcct gtaaggccaa gtttcccacc aaaccaaca 180
 atgtcattac tcagtcaata acaaacctcc tccttaccba ccaccagtt atccacaaag 240
 gccatcccta aatcaaccac aaagcctatc tatcgcactt ccaatgacga acaccacctt 300
 tggcacaaac caaaaaaaca ccaacaaaaa ggaaatttgc agcaaanagc ctgtanggtt 360
 caccatcat tccgttgtca tatgctaaac ttgatcccat atccactcaa t 411

<210> 33936
 <211> 236
 <212> DNA
 <213> Glycine max
 <400> 33936

agctttttatt aaacaaaatc tgggactgac tgacgaattt attctgaata gcaaggctct 60
 taaataacat aaattgacta aatggagcgg tctgtctctc atatgttact tctatagttt 120
 tattacacac cctttacaat tgactccctg actcggaggt cattttcact ctaatagcca 180
 agcctttaa caaaattcag aactgacttg gtcgacctca gtgggtggagg tcttaa 236

<210> 33937

<211> 368
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33937

agcttggtga cacgcttata ctaacgttgt cttctgcacc ttgtgtcatc cagagacggc 60
 gagtctgatg acatgcgagg gtaccttatg gttatccgca ccttttgtca tccacagacg 120
 gcgtgtccga tgacattcgg gggtaccata tggttattcg cacctttcgt caaccaaggc 180
 gaatgagtcc gatgatatcg ggatgatgtt ggtcgtccga ttctgattat tctttacaat 240
 cttttcagct tttactttca tcatccagag acattcaatc ccgacgacgc ataagattct 300
 tctctgctat gcagggacga tcgagttcga tagcatgtgg anacgtcgtg gctatccctg 360
 tttatcgc 368

<210> 33938
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 33938
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 ttctgtcaa gtgagtgtct ttttgcacaa aacaaatcaa atgtgatctt ctgatcatct 120
 attcctatct ccagattacc tttccctata tccaccacac aattggcggt tagcatgaag 180
 ggacaaccta aatcagagg ggattcagca tctcttcaa tgtccatgat cacaaagtcc 240
 acagtgaag tgaattgtcg caccttgacc aatacatctt caaccatgcc ataacgcctt 300
 gaaatgtaac gatttgccag ctgcaattca ttcttgttgc ataatttcag ctctccaatc 360
 ttttgcacat gagagcggat caaataatac ta 392

<210> 33939
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 33939
 agcttgcaca tcttctcgat caggttgaca attcaaactt aattgtccct tggcagcttc 60
 agccaccgca tggttttgac tccttgaatc caattcattc tgcaccgta cctcattctc 120

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<210> 33945
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33945

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 tgaaaagggt ttttcaaaaa ctgagtacca catggatttt tctcaaaaca tatttaccaa 120
 agacttttta ctctctggta atcaattacc agattattgt aatcgattac cagtagcaaa 180
 atggatttga aaaagttttc aaatgaattt acaacgttcc aattgatttc aaaaaagctg 240
 taatcgatta caatgttttg gtaatcgatt accagtgctt ttgaacgttg aaattcaaat 300
 tcaaattgca agagtcacat cttttcacat aaaagatntg tgtaattgat tacattgatt 360
 tggaatcgat taccagtgat tggttctgaa taaactaaaa gatgtaact 409

<210> 33946
 <211> 357
 <212> DNA
 <213> Glycine max
 <400> 33946

agtttgtcta ttccactcca gcataagtgt cttttgctcg tagtaataact atccatctcg 60
 aatataatta tctttatctt attccgatga tattctttat ctcatgaaaa attttaacca 120
 tgattcttta ataaaagaaa tgacatttat tgatttggca ctttttaata ggaaccatgt 180
 tctacagca taagtgtctc agtttgaata gctctggatt tgattgatct tgaatccctg 240
 gtttggtatt atccaattgt gctttatctt accaccaccg ccttgcgctg gcacgtgtct 300
 ttgaagacgg aacgtgagaa gaagaacgag ctgcactttc cactaagaaa gtatgcg 357

<210> 33947
 <211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33947

agctttttaa aaaaaagcct gatagacctc tcaggctgac ctgtttaata tgtgtgtgtg 60

tgtgtaaact tttcttgatt cttatttctt atttatttta gtatttgaca ttaagactag 120
 attatcaaatt gaaacttatg gtattttact tagcttggtt attttggtga atacttaaag 180
 tgcttcgatt ataattctta cttgggttgt tgtgattagt gaattttaat ctcatattag 240
 agtgcctctaa ttaattntaa cttttttttt catgcacaaa ctaaaaggga agtatgtgtc 300
 tttctttata ttaaattctta aaaagtacaa tacggaattt tcanaatttt actatatagt 360
 cattagattc cttcatata taatattca 389

<210> 33948
 <211> 397
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33948

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 aatctctcga gagcattcct tattcaattt cgagcgtgtc gataaatcat gcgcctgaat 120
 cggacattcg tgtgacaagt tatgactatt tgaatttctc gagagctgcc ggttttcaat 180
 ttagagcatc tcgatatgtg atgcgccaga atcggacatc cgtgtgacaa gttatgacca 240
 tttgaatttc tcgagagctt tcgatgttca atgtcgagcg tctggatata ttatgcgcct 300
 gaatcggacc tccgtgtgac aagctctgac catttgaatc tctcgagagc attcgttggt 360
 caatatcaag cgtctcgaga ttatatgcgc cttgate 397

<210> 33949
 <211> 336
 <212> DNA
 <213> Glycine max
 <400> 33949

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 aaactaacta acaaataat taaaaatatt atacacgatg actatgaagt gaaatatatt 120
 agcaagagtt gatgaatata gccaaagatat taggctgtag ggatattcat tgtggctcct 180
 tccatatata agtcgttgca taaattgact tggatcacat tagctgaaaa aaacctagt 240
 tgggatggat aaaagacaat tgtgatgaag ggtctttgag ggaccacact actacaaaag 300
 cagcattcta agttggttat aaacggttct ctatgt 336

<400> 33950

<210> 33951

<400> 33951

<210> 33952

<223> unsure at all n locations

<400> 33952

14141

tgggaaacaa ataattcaac gcatatttat ttgaactgaa catagaaaaa aagacaaaga 240
aatggaaggt catttttgca cccttntttt aaaatttttg tctgcgcctt actatccgaa 300
aacaaaaaaa aaatgttaga taatatctca ttctatttcg aanagaaaaa tatattaaaa 360
ttaaggtgaa taatgatata tacatataat 390

<210> 33953
<211> 409
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 33953

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catgtgctct aaccccgaca acaactcaag ggatatgagg attatgaaga aaggcatcaa 120
ttagatgagg atggattaat cccaaactaa attaggaaag cagatacacg ctctatcact 180
gaagattgag acacccatga gagcttaagc tcaagtcccc attacaaaac cttcattctc 240
aacctataat aaatgtggga ttatgcatgt tccaagagaa tgcattattg atgaaagcta 300
gtggcaacca tggatgagat caactttggt aggggaggaa ataattctta tagttagtac 360
cccaacaatn tcaatcanaa atagggcttc aggcagagtc agggaatgt 409

<210> 33954
<211> 409
<212> DNA
<213> Glycine max
<400> 33954

agcttgtaat cctttatata agctaattgat gcttaacgaa aggggagaga aaaatatttt 60
ttctctcatc ccttgagcta gcttttggga ttgagttaga cccaaactca cattctaaaa 120
aatacgtagg catgcgccat tacttggttt gcatagaaga aatgtgacga ataaacgtgg 180
acaagttctt agaaagagag catcgagatc acgaagattg aaacgattct tgtgatcttc 240
ttcatctggt actctctcta ttccaacttg tgctctttac caaggttatc gagagtctac 300
gtagactcgt gagagtttca tagactcgac tcgtagactc atttggtata atctgcttca 360
tataaaaatt ataacaaaat atttatatat aacatactaa ttatacatt 409

<210> 33955
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 33955

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 ttgatcatc ctactatgac gactgagaaa actggggcaa atgaagagg tgagaaagag 120
 ggagaaacc atgctgtgac tgccattcct atacggccaa gtttcccacc aaccaacaa 180
 tgtcattact cagccaataa caaacctcct ccttaccac cacccaatta tccacaaagg 240
 ccatacctaa atcaaccaca aagcctgtct accgcacttc caatgacgaa caccaccttt 300
 agcacacacc acaataacac caacaaaaag gaattctgca gcaaaaagcc tgtaggggttc 360
 accccaaatt cggtgtcata tgctaaa 387

<210> 33956
 <211> 309
 <212> DNA
 <213> Glycine max

<400> 33956

agcttgtggg attatgtgat agtgcatttg ccagacatgc tgatgatatg ataagtacta 60
 ctggatctgt attctttatg ggcgattgag tatttacatg gagttctaac gaacaaggca 120
 ttgtgacact ttttacttgt gaagtcgagg ttataactac aacttcctgc acatgtcatg 180
 ccatttggct aagaagattg ttggaggaaac ttcagttgct gcagaatgaa agcaccaaga 240
 tctatgttga tagttgatct gcgcaagagc tcgccaagaa tccgggtgttc catgaacgaa 300
 gctagcata 309

<210> 33957
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 33957

agcttgagat gaggaagtgt tgaagggtga aacttcctgc tcttattgtt gaccacagag 60
 tggtagctgg agatatgtcg cgggggtcag gagaccttgg ggacgtcagg tgggggtgcta 120
 ttgccccaaa ccaagcttga ccaatcccg cccaaccgg gcatagtcgg tcagtgagaa 180

cctgtgatgt acctaagcat gcgagctcct ggcagtcaac agataaaagg aaaacaagac 240
 cacaaagcaa ggaggcttgt ggtggctggc cagctgtgaa ttttgtgtaa tatgtggatt 300
 gtggcctctg gtaatcgatt accaatggtg ggtaatcgat tacaaggctt aacaatgaag 360
 acaggaggct aagatggtct ctggtaatcg attacca 397

<210> 33958
 <211> 389
 <212> DNA
 <213> Glycine max

<400> 33958
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 gactctcaat cctataatgc aacgtggcgg acaaaagggg gcagttaact tcaatggtca 120
 ttattgtcaa tgcggaaagt attttgcgct tcaactatcca cgtttacaca ttattgcacc 180
 ttgtgggttac gcgagcatga actactacca atatatagat gttgtttaca caaatgagca 240
 catcttaaaa gcttactccg cacaatggtg gcctcttgtg aatgaagcgg ctattcctcc 300
 ttctgatgac gcatggacac ttatccttga ccaactacaa ttcgtgcgat acgttggcca 360
 acatcaacaa ggataaggaa tgagatgga 389

<210> 33959
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33959
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 atagagccca atgttttact catatggatt acatgatcaa tatgagtcac ataaattaac 120
 tcatacgaat tacgtaatcc gtatgtctct tatagattat gtaatccgac tgtacataat 180
 ccgtatgact catattatgt aatttgtatg agttaattcg tatgactcat gcgggatcac 240
 gtgattcata agtatttttt ttaatctttt ttttcaaaaa tatgtctttt aatttattaa 300
 tatattaaaa tttttaatag taagtatttt ttatttataa aaaatatact gattaaataa 360
 ttcatatgaa ttatatcana attaattggt ataaaa 396

<210> 33960
 <211> 320
 <212> DNA
 <213> Glycine max

<400> 33960

agcttatcta tgggggcaga atcactctca ttaactcagt cctatcagct ctacctatct 60
 acttactatc cttctttaag atccctaaaa aagtgggtgca caaaattgtt tccatccaca 120
 gaaatttcct ttggggaggt catcaagagg ccaacaagat tccttgggtg aagtgagaca 180
 cagtttgtct tcctaagaac aaagggggcc tatggattaa agatttatct aaatttaatg 240
 acgctctact tggcaaatgg ggggtgggagc tggctaataa tcacaaccaa ccttggacta 300
 gaattttact ttctaaatat 320

<210> 33961
 <211> 388
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33961

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 aattgtatac cattgcatat agttgaacaa ttaaatttaa tttttcacat attgtatgca 120
 taccaaggta attactaatg aaagtatcat ctttattata tatttcatta attaaggata 180
 tacatattag ttaattcaaa atatatcttc cctatcattg acgaaaaagg gtcaaggagg 240
 aataactttc aaaaaagcat tttttttgtt aagaggtttt tttttctttn taaaaaagta 300
 ttcgaaatta aatattaaac aatntccata taataataat aataagtaga ctactagtag 360
 tagtattagt attattaaat gtaattaa 388

<210> 33962
 <211> 266
 <212> DNA
 <213> Glycine max

<400> 33962

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 acccggaatg ggtttaggca aagacaatgg cggcataact agcctgaata atgccaaagg 120

aaatcctggg aaatatgggt taggctataa acccactcac gcggatataa agagaagcat 180
cgctgggaga aagagccgtg gtcaaagctc gcggctgaga caaaaaagtg aaggaggccc 240
gccctgccac ataagtataa agctta 266

<210> 33963
<211> 396
<212> DNA
<213> Glycine max

<400> 33963
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ggagtgggat cacagcattg aactatgttg atcgttccaa tgggatgatg gttttgattg 120
ctgcagataa agtgtgtcat tgtgagtttc tgggcccatg agttaaacta taacgactac 180
aaaaaatatt gtcgtatctt taagggccaa aaggataatt aaaccttcta tttctttata 240
attctttttt accacgggtt atatatatgt agcagtttat tctaaacaat ggactacgtg 300
tgaaatcttt gaattctatg taagacatgt tatttcaaatt ttctcattac gtctcatgtc 360
aatgatgcat gctccattcg aattctatgt ctaatt 396

<210> 33964
<211> 362
<212> DNA
<213> Glycine max

<400> 33964
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atctcaattt aaccaagggt caaagacatt aagaagacct aacgtagaag atttattaca 120
gattacaatg agaatacaac atcaaaatga agttgtacct tagccagcat cataatgggtg 180
tatttgagga gtctgagact gagaacatca gaacgatact ctaatgatcg accattatca 240
tgactcgaca tattatgaga cgactacgtt agaatgacgc atcgtagtct ctcatgccgt 300
atctatgcat cggaacgatc aagcatctac atgtcttcca tatgaaatca cagatgatag 360
ct 362

<210> 33965
<211> 372

<212> DNA
 <213> Glycine max
 <400> 33965
 agcttgagtc gctgatattc acctagtgcca tcatatthtag ttcgccgatt ctacacgtct 60
 ccaaacggac cgaatctccg tgactctgtc tctatgctag ttcgtgctac gtcatttttc 120
 actctttttt tatagtacaa ggaatattct atgcgtcttt tttatctata aaagatttca 180
 ttgcattttt caaagcttat ttttgactta taggccttat gttttggtat accgtatact 240
 tgtaccaagt tctattaaaa taaattgggt attacttttc ataaagagta cagatattct 300
 tatgtggcaa tgccaatttt tcttcataat acataaccta ttaatacttc aacatttttt 360
 actcctttat tt 372

<210> 33966
 <211> 399
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 33966
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 acgcattact ctctctcgt acataagacg tacaacttat atatttcata cattacatat 120
 ataaaacata gaacataacc catatgtttc atacatcata tatataaaaac atataaccca 180
 tacatcgcat atatataaaa catacaagta gcaatgatat gggtatcacc tctaacaat 240
 aaagccaaat catgacatct aggatgtatt taaaattgca acccaatata acttacaggt 300
 cgcccaaat taaactacga catgtacgct gcaaaaggga ataaaatana tcatagcaca 360
 tattctatat ctaanataac aataaactaa gggtcacaac 399

<210> 33967
 <211> 364
 <212> DNA
 <213> Glycine max
 <400> 33967
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 tgatacatca ctgaaactca aatgtatggt aaaccaacta cctgtaattt cgaaatgaag 120

tccatttcaa ccatgccata ggatatacca aggctacaaa taaaagtata ttgaacattt 180
 gaacctaaag catatatata cccttattta tgcacttcat ttagaaataa gttcacttta 240
 cgcaacattt aaaggcataa taagggtcct tgtgtggtac atttgtttac cttattggca 300
 agagaactgt gacttatgta caagacgtag aatcaagact tcatcccatg acacattttg 360
 tatc 364

<210> 33968
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 33968

agcttcaaac acttgggtaa tcaattgcga tcagcatgta atcaattaaa atagagagtt 60
 tttacttttag aagaagtctt ctaactttgg aaaccttctc ctggctccta catgatgatg 120
 catgatgcat atatgaaatg atagagacta agatgcaaca cataatagaa caatcaatac 180
 caatgtcact caagagagtt aggcatgtaa aagacaaaac ttcttcaagc tcttctttat 240
 gcttcaagge taagtcttca tgttgctccc tctatctcta atgccttgag tatccccggtt 300
 atgcacgggc gcctgttgac ttatgcttac gtgtagattc cacattgcgt tgggtgtaag 360
 agataactac tatgagtcta ggacctttac ttctata 397

<210> 33969
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 33969

agttttcaac agtcccaaaa cccaatgtgt atgcgcaacc aagtgtcatg atttctatat 60
 taccaatttt gctagtgtgt aatgttgaat catagttttg ctctctcatc tagcattcgt 120
 ctcatattgt aaacctattt cgtgtcgtcc agatttaaaa aaaacttctc ttactttatt 180
 tcaaaatcat tcttctgttt acctacaac tcaactcaact ctatcattac cttttttcaa 240
 tatgcataat taccaacatg caaacatata taatccagca gatggcacca tcaataggca 300
 agctatgatc cagaagcagc gagatgcctc atctccatt tctttcatct tctaaattta 360
 ttggaccttc t 371

<210> 33970
 <211> 357
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 33970

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 tttttgcctt tgaagaaact tttctaactt agaaaatgtc cttcacacac actatgatga 120
 tgcacaatgc aaaacaaata tcaaattgtac tgagatgcaa caatcaagtt aacaaccaat 180
 acaaattgcta ctcaaggagg ttgggcatgt aaaagccaaa acatcttcta nagatccttc 240
 anacttttcc tcgagcttca agcttttagcc ttaggttggt ccatgttgct catgtttgct 300
 gctccctatc tntaacaccc gcggnntagtg atntcataat cactaatacc tatgatg 357

<210> 33971
 <211> 381
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 33971

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 gtcactcttg agacaaccat aacactcacc tcataaaaaa aagaatacga tgtcaccaac 120
 atcatcatgg aacgtgtctt gcccggtatta tgccttatca ctcttacatt cacaatccaa 180
 ggaagaccat catcttgaaa accaaagaca tggaactgaa taacaagaaa ataatttatg 240
 agaagacgat aaccgtacat acctaccttc ttatgtggaa acagagaatt gagatagatg 300
 agacangata acacgattta tacaacttac acaattgcct ctagatacca aggagtattt 360
 agcaagataa gaacagatag c 381

<210> 33972
 <211> 384
 <212> DNA
 <213> Glycine max

 <400> 33972

 agcttaagcc attaattatg actgcacggt tgatctattg cgtgaaactt gcacacacaa 60

gacaagaagt caaaaatcaa ttaatcattg cctgtagatg ttaaactag catcattcac 120
 gcgggtttat ttcattgccg tatgacaaca atattcttct tcgtaataat gtgcgagaag 180
 aaaaaatta ttttaaaata atcatcttct aattttatag tgtaattata attatatttt 240
 ttacttata tttcttataa cattaatata aggaatacaa aaatttaaaa taaaataata 300
 atgataacat taattttata aaaattatta ttctatctta tatattttatt ggggtttgtt 360
 tatctgtata caactaacta taat 384

<210> 33973
 <211> 390
 <212> DNA
 <213> Glycine max
 <400> 33973

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 tgctttgctg atggcttctt cccgttccaa gcttcaattg gagtcttgct ttttacagac 120
 ttagttggac atctgttgag tatgtaaaca gcagtgtaga ctgcttcagc ccagaatttg 180
 ttaggtagtc ccttctcctt gagcatcgat cttagctattt ccataactgt gcgattcttt 240
 ctctcggaca ctctattttg ttgaggagaa tatgagactg taagttgtcg ctcaatgcct 300
 tcctcctcac aaaatctttt aaactcgcga gaggtgtact ttttgccgcg atcacttctt 360
 agtactttta tccgttttcc actttgattt 390

<210> 33974
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33974

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 cagtttgcca gattgattgt gaaggaatgc attaaccgta tcccggtagag agtgtgatcc 120
 ttaaattttg agagaaacga ctatcattta gtactgattt ttgcgtgaat ctctgaagta 180
 tggactgaat gcatgaaatt gaggatgatg aaggccatgt ttgattgtga tagccactta 240
 gccaaaaagc tgaccatgtg cttgaatgat ttacccttg caccagttt gagctgaata 300
 aattattgat tgattgaatc tggactctat acagtgttat cttctgctac cttgacttan 360

ngtgtangag agcatcatcc acagtaagcg t

391

<210> 33975
<211> 366
<212> DNA
<213> Glycine max

<400> 33975

agtttaatga tggaatactt acttggtggt gatgaataaa agcgcaaaac ggaatcgaag 60
aatgcgaaaa gtagagatcc taaggctgca aactcgtaaa ttccgtgggt atggcttttg 120
aaagggggga aaagaagttt ttgaatgcaa aaacgtcccc cctttcgtca cttttatatt 180
ttggtgcatg ggtggctcgc ccaggcgagc taacctgcac tttttttttt gagaggaaca 240
ttaaccatgt cccctccttc cttatgggtt agtgttttgc ctatttgagc ctactcaagt 300
tagaattagg cgtaattac taaaaacaaa caatggtagt aaaatactgt gaactcatag 360
gataact 366

<210> 33976
<211> 395
<212> DNA
<213> Glycine max

<400> 33976

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gaaatacaga actgtgacaa gttggtagaa attgttggaag aggaagatgt gacggaacat 120
ggaacaactg aaatgtttga attcccttgt ttgtggcagt tgcttcttta taagctgtca 180
ctgcttagtt gcttttatcc tggaaaacac catctggaat gccccgtatt aaaatgcttg 240
gatgtgtcct attgtcctaa gttgaagcta ttcacatcag aatttgagaga tagtcccaaa 300
caagcagtta tagaggctcc aattagccaa ctacaacaac aacctctgtt ctcgattgat 360
atgtgacaaa acattatcag ttaaactttt tgagc 395

<210> 33977
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations

0054101500

<400> 33977

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gttcataagt gcatagattt ctcttgagga tgagaggccc tctcaaagag tcaacctctt 120
gcattctcat aaggtcgagc cctttggtac tagtacctat tggtttgttt tcataagact 180
caaagtcctc tatcatttac attttcaaag actatcgtag actttcatca tgcggagaca 240
attatggtca ttcacacctt tttttgcctt ctagagacaa tcaagtcctg tggcagcgcg 300
agacaaatta tggatcatcg ctntcttttc cttccggaga caataaagtt cgttggcaca 360
cggagacaaa ttatggtcat ccact 385

<210> 33978

<211> 390

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33978

agttttctta agaagattcc taaagaagct agagcttagc tacacatacc tctctaatag 60
ctaagctcac ctcttgaga tgagaagcta gagcttagct acacaccccc tataatagct 120
aagctcacc ccatgacaaa aaaacatgaa aataacaaaa aaagtcctta ttacaaagac 180
aactcaaaat gccccgaaat acaaggctaa aaccctatac tactagaatg gccaaaatac 240
aaggcctaga caaaggaaaa acctattcta atatttacia agataagcgg gctcatactt 300
agcccatgtg ctgatattct accctaacgc tcatgagaac nctanggcct ttccttgat 360
ctctagccca atctacttgg agtcttctag 390

<210> 33979

<211> 427

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33979

gcaatcgact cgtaccgng atcttagagc accttttgca tgcaagcttc acttacactt 60
gattcaaata tctaacacc ctattaatca atattttctt taaaaaagtg agttaagcac 120
aaccaaatgt atttacctct cgattggatg catccaatga ttataactg gccctcctaa 180

tttcacttct ttaagaacat gacaagttaa atggaccatc gatatgggta ataggatttt 240
 caaatggcaa atagtgagca cagtttgatg ttgcagcttg tcaagatctg atacattaaa 300
 tcttttatcg aacaaactgc gtgagcatga gcaaaattct actgacatta cagtcaacga 360
 tggatagaag gaggcaacca gcggtcctat ttccccctct cacgggatct tattattatt 420
 aaagtaa 427

<210> 33980
 <211> 364
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33980

agcttctaaa ctttgtacaa gaatgaagct ctgataccac ttgttagaca agtggcctca 60
 gatatcttaa gaaggggggg gttgaattaa gatattcgaa actttttccc ctaattaaaa 120
 atctatctta ctttttactt aagttatgaa ttcccttaat gacaatcttc ttaaataatta 180
 attcaaatga agcaacttga atatgaatat aaagcaataa taaataaagg agattaacgg 240
 aagagaaaat gcacactcag ttttatactg gctcgggtcac acccttgtgc ctacgttcag 300
 tccccaaagca acccgcttga gagttncact aacttgtcaa ttccctttac aagttctaaa 360
 caca 364

<210> 33981
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 33981

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 caatggcggt aatgacggac cgaggcagaa ccgggttgag ggagtaaagc tcaatgttcc 120
 tcccttcaaa ggtagaagtg atccagatgc ctacctggac tgggaaatga agactgagca 180
 cgtatttgcc tgcaatgact aactgatgc gcagaaagtc aagctagcag cagctgaatt 240
 ctccgactat gcccttgttt ggtggcataa ataccaaaga gaaatgttga gagaggaacg 300
 gcgagaggtata tacaatgga ctgagatgaa aagggtgatg agaacaaggt atgtgcccac 360
 tagctataac agaaccatgc gacag 385

<210> 33982
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33982

agcttgaagt gtaagatctt gtgaacttta caagtcaaac tcttatcatg gccacccat 60
 aggattgata taatggtggc agatcttggtg ttcaatTTTT tttttgttcg atttatgaag 120
 tcaatTTcat aatataaata aacatTTTgc agTTtaattt acaaaacata ttagTTtaaa 180
 cacatTTgaa aatagatTTT cgaaagtgtt gaatctacac tttggaaact tagTTtctag 240
 aagtacaagc attgTTcaaa tacacaatta gagtacctta ctgaatctnc atgctccatt 300
 atgtatgtat tcccctcgtc actaaacctc tttggaccCa ntgttctcac atcaagacac 360
 catggcattt gagactcatg gaccacccac atgc 394

<210> 33983
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33983

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 aaggaaactt ccaaagaaaa acgtctgatt aatTTTTttg attattctat tcaaagatat 120
 ttttaattata ttattattat tttttcaaga tattttgatt attttattat tattttgcct 180
 ttttttattt aatcgagggtt acaacgtgaa cgatcggttg gattttattt taacagagat 240
 taaacgagat tacaacacan atgatcggtt gaagttcatt ttatcattta ttaggcgaga 300
 taacggctta cataaatggt aaaaatatcg ttaacagcgg aagaaaagaa natcaaaagt 360
 gaacgagatg aagatgaaag ccaacaaaac aagaaatgaa ttgaaagtct cgg 413

<210> 33984
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 33984

agctttaaga ggtcactttt ttttcttttt ttttgaaaga aagagcattt gaattccatt 60
catgggaaga agcccactgc cttctttact gatactatgt cctcaaatta attaaaatat 120
ttggcgcat agtgaaagat aaagacacca agacttttct gaagcgatta tcataaaagt 180
tagttatatg gaattaaact aattatTTTT aattcccttc ccctatagag aacgatggca 240
atggccggct atgacaagtt gtctactaga tgtatgattt agaatgtagt cttaacttta 300
gattacttat agctttctgg tgtccacat tttttaatcg gttatcaaga tccattgac 360
tgctactatg ttatacattg catcaaccac aaa 393

<210> 33985
<211> 412
<212> DNA
<213> Glycine max

<400> 33985
agcttgcagt ggtagtcagt taggtcttta aggacttctc ttgggtctca gctcgcctta 60
acttagtctt tgtgtccttc agagacttct gagaatcctc tgccagttgc aacaatgtct 120
cattccccctt ggcagcctca accaaagctt gttcctcctt tgcatactca acaaggtggt 180
cgacctcgtc ttggagagct agagtaaagc ttgcagtggt agtcagttag gtctttaagg 240
ccttctcttg ggtctcagcc tcgtttaact tagtctttgt gtccttcaga gacttctgag 300
aatcctctgc cagttgcaac aatgtctcat tccccctggc agcctcaacc aaagcttggt 360
cagcctttgc atactcaaca agagctaatt gtgactcgat atcagcctta tc 412

<210> 33986
<211> 377
<212> DNA
<213> Glycine max

<400> 33986
agcttggttaa aaacggaaga aaagaaaact gaaggtgaac gaaatgaaga tgaaagccaa 60
caaagcaaga aatgaattga aagtctcaga ttcgaaaact tatcggttga agaccaaaga 120
acgcacgaag aacggcagaa aatcttcacg aaattgctca cggaaacgtc tcggaagcat 180
ctcggcttgg attttcttca cgaaaacgtg ttttttctact caaaatccct gaaatgcata 240
gggtaaaagg tcaggaggct ctggaacagc ttccccctatt tataggagaa aaggggagga 300

<213> Glycine max
 <400> 33989

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 ttagcattgg ttgtgtgggt ggtgggtttt gtggttgatt tagggatgac ctttgtggat 120
 aactgggtgg tgggtaagga gaatggttgt tattggctga gtaatgacat tggtgggttg 180
 gtgagaaact tggccgtata ggaatggtag tcacagcatg ggtttctcct tcattctcac 240
 cctcttcatt tgccccaact ttctcactta tcaaagtagg atgatcaa at ttgcctcttt 300
 tcagaccgcg tttgatcctt ttgccgatga agaccaaate ccgaaagctt gaatgtgcat 360
 accccaccat attttaatag taaaacac 388

<210> 33990
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 33990

agcttcaatg gagcttacat cattgtcctt ggatgtatta gttttacttt tatcagatgt 60
 tcacacatgt gcgcagaagg aagctgggta ggaaccaa at tggaattata tatgcgcagc 120
 tgaggcgatg ccaattttca agtgtacagg tctctaattt ttgtgtgggc ttggtgctga 180
 taaacaagta agttgaaggg tgattatatg aacgcttggg ggtgggttac tacttactag 240
 tgctctttat tttcttcata aggcttaagg ggtaggcga tttttgttta tatcggccta 300
 tagaatatat gtattcttgc ttacatttat gagtatgatg gattaattta ctttctatag 360
 tgagttggag atcacttatt tagaagatca ctcttat 397

<210> 33991
 <211> 327
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33991

agcttaatat ggggtcaatac tnccattatt gacgtgcac ttgaggacct tccttcaacc 60
 tcttcttctt cctccttctc cttgatcttc tacataccac atagctctac tcatatgcct 120
 atgaagctgc tcatacaagc ttttcagatc tatgtgacac gctctcacat acccaccact 180

ctcactcttc ttcattcttc tatctctctc tctatcacac acacacgcac acacagcact 240
 tttctnttaa aaattcacaa aattcaccac acacccttat ggactttgaa gtcataacgc 300
 acttgcaata tcaaaacatg caactct 327

<210> 33992
 <211> 353
 <212> DNA
 <213> Glycine max

<400> 33992

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 ttccatgtct tctgttggac aatgggttgg aaaagcatcc gactaagcac acattggacc 120
 ttatatgacc cttcccttta tttctctgca tcaactgtgac ccagaaatat tggggaaaac 180
 gaaatcatct attaaaacat gatcatatct attaaatctt gtcgacatca tagtcttcat 240
 tccaataaga ctattctgtg actctccatg ttaatctctt ttgcgactca tacgggttgg 300
 tgatcctatc atttgacgcg tatccactat catcgtgtgt atcgatacca acc 353

<210> 33993
 <211> 385
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 33993

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 ttgaaagcaa acaagataga gtggtctcga agggccaata cagctctaca gagttaaaaa 120
 atgttatagt caccaccctt atgttgcaac tccctaactt ctccttacag tttgatccaa 180
 agaccaatgc ttcattctct accatcaagc ctattctctc ttagcaaggt cacctagtgg 240
 catatttttag tataaaaaaa actctgcaca aaaatgcaat ccgcatcagc ttgtgcaagg 300
 gaaatattgg caattaccga gtcagtgaag aagtgggtgac actatcttat tggcagcaaa 360
 ttccgcatnt ctatatacca acata 385

<210> 33994
 <211> 406
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33994

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ctaaaacaca ctaagctcag ccctcagatc cctcccgatg gattaggtc agcttacaca 120
acctccgtac gcatagacta cattaaccta cacctcactc cacagatccc tcattcacca 180
ctaggcctaa atcacaccac atcttcatca cctcacatga agaactactaa cactcaatcc 240
gcagatccct aatccaagac taagtctcac tcccgcttct atcacgtcct caggcaacaa 300
taccatcttc cagcctcaa gtcacctacc tatacacaca aaccgggcga tcagaccaag 360
agcctgtcta aattaccac tgaacatata tacacacatt caatca 406

<210> 33995

<211> 530

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33995

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gagagtgaac cntgtgacac ctggaanaca tcggcgaanc ganctcgac ccgggaccc 120
cagaccgacc cgttgatgc aatctctgga accgacgccg atacacaagc gagacgcatg 180
aagcgaccaa cagtgagcag ccgcaactaa ggctcatcta acaacacaac atggcgctcg 240
aagcgtcaca ccccaaacca ccccgaggac caccgctcga cggcagcaaa ccaccagctt 300
gaccgctctg acgaactcga caccatcga taaacaaccc gcgaagctcc gcgacgcggt 360
ggcgagcgaa cgaaaacact atcgggcaat ccgcaacgcg cacaacacct ccgacgccga 420
agaggggacg gccgcgcaat accgacagct cctgacaca acacacccaa aacacgcacc 480
gcacgcagcc tctaggccgc acaccgcacc caaacaaaac accaacaacg 530

<210> 33996

<211> 404

<212> DNA

<213> Glycine max

<400> 33996

ttaatcattg tctttgcatc attgattgga ctagcaattg cttccacca ctctgagaca 300
tagtgcacca ctaccaagat atattcattg ccaagggagg atggtaagg accaacaaaa 360
tcaattcccc aacaataaaa gacttcta 388

<210> 33999
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 33999

nttccctttn taaagacacc ccaagcaacc ctccatatta aacaatcatt ttcaaggaat 60
tttcagcttc caaatgtcca tctagtcttc atttacatgt agaagagtgc tattaaccat 120
attccccata gcatgatagt aagtcgattt ttttgagaaa gtgccatcct tggatgaactt 180
ccatagaatt ttatcaggat tgtgtgagag gtaaattgggc atggaaaatt tttttgcagc 240
atcaataggg gcaaatagat tatgaataag agtctcattc catgtggccg atgtatggtg 300
aataaggga tttactgtta aattcgagag tccatcaata ggaggagaaa caatatatga 360
attttgtgga tcatgaagcc aaggattagt ccaaattttt atcttgtgtc catctctcaa 420
tctccttcta atgtcatctt t 441

<210> 34000
<211> 321
<212> DNA
<213> Glycine max

<400> 34000

agctttggag cttccatgtg ccaatttttc ttcttcttta gtccagtctt cttctggctt 60
caattcatca gtgggctctc cttctgtgtg cagcatctag ggatgttccc agcctttgat 120
gacagctttc caggttctgc tatccagtga tttgacgaca gccaccatcc ttgctgtcca 180
gtatccatag ttggttccat ctacgattgg tggctgtgtg actgtgcctc cttctatctc 240
catgtgcac agaatattt tccctatata tcaactctgtg atctcgaatg ttggctcttg 300
atccaatcga gattctgatc c 321

<210> 34001

<211> 370
 <212> DNA
 <213> Glycine max
 <400> 34001
 taatgtaacc tttttagtagct ttgaaaactc tacggctgag cctaggcttt agagtttcct 60
 tttgttaagg cattatgtct tttgttcttg aagttttaat ataaagatct ttcttcatct 120
 gttcctgcgc ctctacccat tctcattaat ttgcatgttt atttctttac gcttaaaatg 180
 ccagatccga cgatgagtc ctcgaaggta ctaataccca ggacttggcc gtcaattttg 240
 agcaagaagc gggtcggatg gagagtgaag aggacgacga tgtggggctt catccacagc 300
 tggagacgat aatcgcttat gaggaccgag agatgacgcc tcatcaagat gagacggagc 360
 tcatatactt 370

<210> 34002
 <211> 334
 <212> DNA
 <213> Glycine max
 <400> 34002
 tttttatgca agcttttcag cacgcttcca tcaagtgtta attaaagcac acggccttca 60
 agtacgtgct ccttaaacct ccattaattt tcagctttac cttctactcc attgttggtt 120
 cttcattttt ctccatgtat ctctttacat ttcttggtct gaatttggtt agcatgat 180
 tttagaattt caaccgatta aacttggtat ataagcaaga tttgattttc tatggttcaa 240
 attccttggt cttgttcttg aaccatgaat tgtgttaagt ttaagttcct ttgagttttg 300
 cattgcaatt cttttttttg agaccacaac catt 334

<210> 34003
 <211> 377
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34003
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 ttcaaggagt caagctaaac tgttctatct gtatcacgac tttcaaaatc tttccaaaac 120
 aaaaagtata ctgtaaacca tattaacata ccacacaacc ataatangtc atatgtacta 180

aaaatcgtac aaccaataga ccacacaaac ataataatta aaatgtacta agaacaagat 240
aattataata ataataataa taggaggaca ggtaatcaga tcttgtcatt catcccaatc 300
ttgctcctca ttatccanat gtagcactgg agtcctcgaa cgagtagtaa tctgtccctc 360
ctcctcatct gaaaaat 377

<210> 34004
<211> 394
<212> DNA
<213> Glycine max

<400> 34004

agcttgtcag ggtgaggagg tgaatagcac taaggaaatg catctattca tcaatgtagg 60
tcattcaaat gaaaggtctg tgggtagaac ggattgaggt cgaggctgct cccacgtatg 120
atatctaaaa tggactagca taacatattc ctgtgtcaga gctacttatg taaaggatta 180
ttttacaaaa ctcaaattgg aaaaacaaca ttcagggggc aaatagacaa agctgataca 240
actggtatcc acaaatacaa gaattcacac atcagtacac agagacgcat agagagaata 300
acgaaccagc tattatctat tgattactga aaatagtgtc tcagcactct cctctactat 360
gagttttccc tcaaatacct ctgcatactc actg 394

<210> 34005
<211> 411
<212> DNA
<213> Glycine max

<400> 34005

tgcccttctg atccgaagag gctgaccctt gcggagtccg tcgagagcga aattgacctc 60
gtcaacgtgc tccatcatct ctccgaactc ctgcgcctcc atcagcgctg acgtcgccgg 120
aatcccctcc gccggcgccc gctatgccct cttcgactcc cttgctccgc ctgcgccggt 180
gccgtttccg aagtcgccga tctccgaatc gaaaaaggac caacgctgcg aggacgagtc 240
ctgtgaggag aacgcgaagc cgcagagagg gtcgtctatc tcttgagata aggaatccct 300
gaatggctcc gcaacgtcgt cgttttagaga ggacgagccc gaatacgttc ccgaaagggg 360
ttctctgcgg cggtcgacg tgccgacgat catcttatac ggggatcggc g 411

<210> 34006
 <211> 381
 <212> DNA
 <213> Glycine max

 <400> 34006

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 attcatacaa atcaaactta gtcttgaaag cggttttcca ctcatcagcc tttttcatcc 120
 tgaattggtg ataccactt ttaagatcaa tttttgaaaa gatattgtca ccatgcaact 180
 catcaagcaa atcatcaagt ataggaatgg ggtgcctata ctctacagcg atgctgctga 240
 tggccctgca atttgtacac attctccacg taccatcctt tttgggcacc aacaacactg 300
 gcccaacaca tgggcttatg ctcttttgac ccagcccttc ttaacaatct tttacctgaa 360
 atctatctcc tatctcctga g 381

<210> 34007
 <211> 386
 <212> DNA
 <213> Glycine max

 <400> 34007

 cttaatggag aatgaagaag aagaacattt caacgtgttg tggagagaga gctgtctgaa 60
 aagtgtgggg gctgagtga gagagagaaa agctcttcgg tttttaaat aaagggtttt 120
 ctctttttct attattttat tcaagctctg ccacatgtcc ctatttgagt ggagcaaaag 180
 ggcccacttt ctttttttac tgtgaccac actcagccac aaaagtgaga aaaatctgac 240
 ctttgaaatg ctaaaatcct gcctcggttc gcgtgtcgat tctctgggtc tagtttctcg 300
 catttctctg cgtccgtcgg ggccggttct ctaaagtaac caatatatat atcataacgc 360
 tcacaataga accacgagcg tggttc 386

<210> 34008
 <211> 388
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34008

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tcattgttat catttccctc tccatcattg agggcactac ttgagctacc agatccctat 120
 acctttgggc atattctttg aaagatctat gctcgttttt acacatgttt tctagctgta 180
 ttctatccgg agccatatta gaattgtact gatactgcct aatgaaggca accattangt 240
 tcttccaaga atggactccg gaaagtttca gattcgtata cctgggtgaca gctgccccaa 300
 taagactttc ctagaagaga tgcattaatt tatcattctt caagtatgcg cccatttctc 360
 tgctgtacat cttcacgtga atcttggg 388

<210> 34009
 <211> 239
 <212> DNA
 <213> Glycine max

<400> 34009

cggacctact gtgaatagcc caaaagcacc ttctattttc tgaagtgggtg aaccgatgt 60
 ttggatgctc tcaatgacat ctaactgtcg ctaatgaacg actttgacta actatgccca 120
 attatatatg agtaatacct ataagctcta tacatatgac atgcatatat atatatatat 180
 atacataaca gaccctcaaa ccacctataa atatatacat tgatttactg acatggctc 239

<210> 34010
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 34010

agcttctgct ccaaataatc ataaccccca cgagacaaaa cgtggggggac agtattctgc 60
 ttctggatgg cctgtgcctt cttgcgcaca tcttgaaaaa attaaacaat aatgtttgaa 120
 atgggtagaa tgaagtataa caacatcatg tttaatatga aaaacaactt aaatggcaag 180
 gaacatacct cctaagaagg gtctctacga gtctggcaaa aatggggtca cttttccttg 240
 ctgatgccgt atttctcata gacattgtcc tcgacactgt cctgatcggc tgcaagggcc 300
 catttctcg tgaggctctga tttaaaccctt cttcatctct caccacgat ctgcagaaac 360
 ttcttttcat cctactatca aaagcctcta a 391

<210> 34011
 <211> 432
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34011

ttggtcaatc taaggagtgg tgtcttcatg ctgcatattg atggtttctg agtggaaaat 60
tctaatttgg ttaagcatga aattctgcag catttgcaaa gcagattcaa attaattgaa 120
gttatgtacg agcactgtag cttttacaaa aataagcact gcagcttatt taaggcacia 180
attctgcagc atctgcaata tgtgggtgtg tttcaatgtg tgtgtgtgtg tttctgtgtg 240
cgtgtgtgtg tatgtgtgtg tatctctgtg tgcgtgcgcg tgcgtgtatg tgtgcgtgtt 300
ccaatgcgcc tgcgtgtgcg cgtctccgtg ngtgtgtggg tgagaggctg cacaatgtgc 360
gtgcgtgtcg cgctccgaga gcatgtatgc cagtctgtct aatcccacgt gcgcgctctg 420
cgcgagcgcc cg 432

<210> 34012

<211> 343

<212> DNA

<213> Glycine max

<400> 34012

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tggttagaca atattgccac tgaaattcat accttaaact atcgtaccat ctatattaat 120
gtgaatttgt aacttgtcag tccaataaca tagaacatat atctacactt ctaccatgct 180
cagtgggaaca ctacaatgtt gacatgatta taatattaat aatgttaaact ctctgcatag 240
cgatggctgc ttatggcggg aagccacaat tctgtcatat ccacatgga catggagtgg 300
cagactatat atatatacac acacttctac tgacaaatta tta 343

<210> 34013

<211> 250

<212> DNA

<213> Glycine max

<400> 34013

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gctcagttgt tgctcacttc tctgcagcac tcatggttat gcttaaacgc tcttatctga 120
acagagatcc tcacttcatt ctttgtacag tagattttcc aatcacaaaa tgccttattg 180

ccttttgtct taccctgtg tttatcattc ttctctcacc tgaactccct gcccatcaat 240
atgctatact 250

<210> 34014
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34014

taacctctga atccaagaaa gcactctgat ttctgacgtt cttggcgata aaaatggtca 60
ttgaccaatc cctattctat gacttgaccc aattatctac tgaagggtgca ccatttgacg 120
gtgcactaaa tgatgattgg agattcgatc tctctgcgca tgatgccgcg caattgggttt 180
tgcaccaacc tcacgaatat caccggacgg ctgcttgctg gatcattggc ttttgaaaac 240
cgcacccctc cctatcttat tggtgtatt ctacttccaa gatcttcaca cctagcacag 300
gtttntgaag aagatcttat agttatgtgg gctttccata atggctcgaca aactgatt 358

<210> 34015
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34015

tgtcaaagcc ttgtatggat tgaaacaagc tccaggttct tggtatgaaa gactatgctc 60
attcttagtt cagaatggct tctccagagg aataatggac accacattat ttagaaaggc 120
tcagaaggaa aatctactta ttgtacaaat ctatgtagat gacataatct ttgggttcaac 180
cttagaaagg acgtgcaaga agttttttga gctaacgaaa ggtgaatttg aaatgagtat 240
gatgggtgag ctgaagttct tcctagggct tcaagttatt cataaagatg atggaatatt 300
catccatcaa gagaaataca caaaggatct acttanaggt tcaagatgga tgaaacccaa 360
cctatggctg cccctatgca tccaactatt gtcagtgaca aaggtgagaa acacaatgat 420
actc 424

<210> 34016
<211> 412

<212> DNA
 <213> Glycine max
 <400> 34016
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 gcacaacaag ttttccacat ccacaacgcg cgcataaacc caccatcccc tgttgccac 120
 ctccaactga gctcacgtac tcccacgtag cccatatact cgtttctctc aacaccgggt 180
 ccccatcaat cctctcaagc ttccccaaca tccaagtaca acaacattca aacagcacia 240
 actatcacag ccaagaaaag cagagcaaag gcagaaaact ctgccaaaac accaaccaaa 300
 atcacagctt ttctcactta aagaccccaa taacaattcc ttcgatccaa tttgttgacc 360
 gttggatcga ctccaaaatt ttactggaag tctctagtag ataagcctac at 412

<210> 34017
 <211> 434
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34017
 ntaaccta at cgtctctcac agtctttaga tttgggagcc aatccagtcc ttgtgttcgg 60
 actcttagcc acttatgata gccgccgatg atcccattac tgettccctt aagctctctg 120
 ttctttcttc acgccacatc ccatgccttg cgaactcctt ggagtaccct cgcgttggtg 180
 tcaactgaaac ctctgtcgat gaaaggcggt atgctttcgt ctgatggcac tctctcatg 240
 ggacatcctt cgcataga tagaatcctg attcttcctt ccttctagcg aggggaaccat 300
 ttaacagacg cccctccatg ctagccaaga gttggtgcac aacaaacaat tcttgccg 360
 ctcttttcac atccccggtc gaacgtgtca tacatggcca aaatggcgac gaccgggctt 420
 tccttgccat gatg 434

<210> 34018
 <211> 402
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34018
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cacagtggcc aatgatgcat gggagatcct gaaaaccact catgaaggaa cctccaaagt 120
 gaagatgtcc agattgcaac tattggecac aaaattcgaa aatctgaaga tgaacgacga 180
 agaatgtatt catgacttcc acatgaacat tcttgaaatt gccaatgctt gcactgcctt 240
 gggagagagg atgacagatg aaaagctggg gagaaagatc ctcagatcct tgcctaagag 300
 atttgacatg aaagtcactg caatagagga ggcnaagac atttgcaact tgagagtgga 360
 tgaactcatt ggttccctta tacctttgac tatgactctc gg 402

<210> 34019
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 34019
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 ttactctttc tttttccctt ttaatatctt cccctttttta tatgtggtag agtttcttaa 120
 gggttacaag tgggtgggtcc atttttccat ttttaagcatg tagaactgtg gaaaaaagggt 180
 aaggggagtt tttacaaatc cttgggggtct atgtgtgttt gcaatgcata gagctttaat 240
 ttttatgttg tggaatgttg tgtatttttt tcgtattttgc cttcgccaat gcacttagga 300
 cttctttgtt tgttattatc tgtcttggat gccaaacttg gggttccttga acccaaaatc 360
 ctaggaaagc atataaagtt tgggtgaattt gggtttgtgt agcaaaagtt atgtaaaaat 420
 caagttttga ac 432

<210> 34020
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 34020
 agcttcaaga aaaagttggc cttagcaaac tgcttatttc tagaaggga tttatcaat 60
 agacctcaa tctttaatgg agagggttac cattactgga aaaccggaat gcaaattttt 120
 attgaggcaa tagacctaaa tatttgggaa gccatagaaa taaggccttg tatacccacc 180
 acagcagaaa gaattacaat agatggtagt tcatcaagt aaagtataac tatagataaa 240
 cctatagata gatggtctga tgaggataga aatgagtag aatacaattt aaaagccaaa 300

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34023

 cgttcctgaa aatgctatta cgctgagcct gttttcattc tctttatcta tggaggccaa 60
 gagatgggtg cattcattca agggcaacag tctacagacc tgggatgagg ttgctgagaa 120
 gtttctaaaa aattatttcc cagagcctaa aattacaatg ggaaaagttg taattccttc 180
 gttccatcag tttcccaatg aatctttgag tggggcatta gaaacatttc ntaacttggt 240
 gaggaaaact tccactcatg gttttataca gcctatacac ccgaacatnt tcaactgatg 300
 gttacagcc 309

<210> 34024
 <211> 186
 <212> DNA
 <213> Glycine max

 <400> 34024

 agtctcgttc atcattttcg tacatgtgta tgaatgctcg ttgatcgagg ccgtaccgca 60
 atcaaataaa catgaaaatg cagtaactag gaagtgatcc taggtcgttt cccaacgagc 120
 agtgacaaac caaatggtca taatatactt gcagtaacag taacgattgg gggggggggct 180
 tcgtat 186

<210> 34025
 <211> 324
 <212> DNA
 <213> Glycine max

 <400> 34025

 ctaagcttca tataagctga accattttat cattaaacac ccgttcgagt tttattcaga 60
 acatttgagt tgatctcttt catcttagtg agagtgattc tcctacgttc ttgagtgatt 120
 caagaacacc ctggctatat tagacgactt tcacaacctt tgtgtgttgc cttcgccgga 180
 aagattgatt atttccttct tttgatctct aaccttgttc tttcaaacca taattcctga 240
 caattcactt ctgcccacaa tcatctcatg gccatcactc tcgttttaca cgcctcaatt 300
 aagtgatttt tgagcctaaa ttga 324

<210> 34026
 <211> 321
 <212> DNA
 <213> Glycine max

 <400> 34026

 agcttattca gaatgataac acggtaaatt taaagaacaa taagtagcaa ttacttacaa 60
 tttatgcact atgtcacaaac caatTTTtget tcatgcagac gatcttcagt tatcacatta 120
 ctectgttgt cgtcattctt ctctttgtca aatgcatact ccagttgtct ctccactgac 180
 ttgacaattg ctgttcgctt ggatcttaac ctgtatgggg gagatgcatt gaatgcctta 240
 ttgttgggaa tgtcaatccc attgccatgg cttgctggac tcttggagaa atgcccagaa 300
 ccagaatcat catcggttct c 321

<210> 34027
 <211> 434
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34027

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 catagccacc cacgttgggg aatttatgca gattatgtgc tggttcattt gaatatcgag 120
 ataatactgg ataaatctga aatcgtgtat aacactctca gattgaatca aatttcgggg 180
 ttcaacaaaa attgctcaat cgaataaaaat cagaagatta taattcaaga gttttgtttc 240
 ggtcttgtat gttttgtcac ccataatgct ttctgaacca aaatgattat tcatgatcaa 300
 agaacaggcg gctnttggcg gctgatgaac acgtgcgttt tggcggctga tggaagtctt 360
 atctttctta aaacctgcct ctttctgaaa gtcacttcna tgtaatttcc agaatttgcc 420
 tacaccgaac atct 434

<210> 34028
 <211> 348
 <212> DNA
 <213> Glycine max

 <400> 34028

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atcttttagca attcttgctc tcttacctct tcgaggctct atatctgggt ctggttggtgc 120
aagattttct actaatagta ggaagataat tggatgaagt acccccacta ttccttaatt 180
taaaaggaaa tctattttca taaaaatcag catcatttga ctctatgatc acttttgcgt 240
ttacgtcata aaacctatac gctttgctat taatagcata accaatgaac acacattcat 300
aggtcttact tgcaagttta accctcttat gatctgcat ccttacat 348

<210> 34029
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34029

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tatcatcatt tttttctccg tcattgaggt gccacttgag ctgccagggtc tctccacctt 120
taggcgtatt cttttgaaag attcgtgccc cttttttgca catgttctgt agttgcatcc 180
tatccgaaga cattatactg aactgccta acgaaggcaa ccattangtc ctcccangaa 240
tggactcggg aagggtccaa gttagtgtac caggtaacaa ctacccaggt aagactttct 300
tggaaggaat gtactaacia ttctcatct tttgcgtatg ccncatctt ccgacaatac 360
gtcttttagat ggttcttggg gcaagtaatc cccttgatct tgtcaaagtc cagtaccttg 420
aacttgag 428

<210> 34030
<211> 329
<212> DNA
<213> Glycine max

<400> 34030

agcttgatg attatgggt acccatcaca tgtggtacta ggtggcggtc gggcgatggt 60
gcacaacaag ttttccacat ccacaatgcg cgcataaacc caccataccc tgttgccac 120
ctacaactga gctcacgtac tcccacgtag cccatatact cgtttctctc aacaccgggt 180
cccatcaat actgtcaagc ttccacaaca tccaagcaaa acaacattca aacagcataa 240
gctatcacag ccaaacaaaa gcagagcata ggcagaaaac tctgctcaaa caccaaccaa 300

aatcacagct tttctcactt atagaccac

329

<210> 34031
<211> 431
<212> DNA
<213> Glycine max

<400> 34031

ccgcttgtat agtccccaa tttgtagtca ttttgagta aattttgtaa ataaatcttg 60
tttatggcta aactgtctc tagaacaatt gcatcggact taatgatgaa atctgtgcat 120
tttcaggtga aaaagacgct aagttttgaa ttgcaaaaag cagcagttgg gctaagcgca 180
tatccatcgc taagtgcagc ttcagcacac ttagcgcaaa ggagaatctg gcagagcatc 240
aacatcaaat ttgtgcgcta agcacaacaa gtgccttcag ccacgctaag caccagactg 300
gcgctaagcc caatttcact tatctgtgct aagcgcacag gcggcgctaa tcacatcatc 360
gcgatttcgg gcctattaaa gcttgtcttg gcataatagc gtacacttta caacactcta 420
ggacttgaag a 431

<210> 34032
<211> 317
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34032

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agttcgacta ttctgaactt atcctcactt ttttgcctt tttctttgta gtggactcct 120
tcaaatgaag gtccttatat ggaccttga gctagccatt taccactgtt gcaggcattt 180
taaaacacat ttaaaactgc atgagttgcc tcattcatac aacaaatgaa tgatagtgt 240
ataatagctg acattcttat ttaccacata atcgacgccc attgactgat tatgactcac 300
atcttaatat tattata 317

<210> 34033
<211> 377
<212> DNA
<213> Glycine max

<400> 34033

tgggttaagt tgagttgggt catcatattg agaccattat gttcattaat atcattaatt 60
 tgtataaatg ttgttacaat ctacatgtgt atatcatgct gcttatgaaa tttagtttat 120
 tacaaaaact tcttgctctt aattttgata tgtatggcgt gacacccttt accccgacat 180
 atacataaat aaataaaata tgtaaataata ttggtaaaca aatccacgtg ggtaaaagat 240
 tcacattcac ttcactatta tcaaataata tttgtataaa tgttggtttca atctacatgt 300
 gtatatcatg ttgcttatgc aatttacttt attacaaaaa tttcttgctt ttaattttga 360
 taatggatgg tatacat 377

<210> 34034
 <211> 386
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34034

agcttctaag gatatgcacg gcttatactt taatgatttg gaacgatgca ttagcgtaa 60
 ttaaatatag tcaacaacaa tagtttcaac cgcagatagc tattcaacaa ttgaggtcac 120
 cctaaaaatg atatacaata atcattaatc tcttggcctc ttcatacct tcccgtttat 180
 gtggacttct tatttactaa gtgggttattt cttaaaagta tttatcaaag cggtagagtt 240
 ttaaaattat ttatctacta gaggttaattt ttgtcatata aaatgtagaa ggcattgatc 300
 tgagtgcagt cttgtgtttt tctgttgctc actaatagga tgcaccattn tatttgactt 360
 cttcttttca cgtattcagt cagtat 386

<210> 34035
 <211> 413
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34035

tnttggggcg gcattgcgtt tagtagctag gttttgtatt ttattcaatg aaccaagatg 60
 gtcattgatg agaccatcgt tctcgtcatt ccattgttatt acaaaattgc cactaggttg 120
 cattctaaga cggtcataag gaatgcctt agattctgtg acgtaaaaaa aattctgtta 180
 attacaaaaa tgccatcgtg tggcattcta aggcgtttct acagaaccgt cttaaaattca 240

ctgtcgtaaa aaattaattt tctagtagtg gtaattgcat ctttcgttaa agatcacaaa 300
 caagcaacca gaattatatt aaaaccaaca tactgataaa gtggcattgc acganacact 360
 aatacttcat tgtgaaataa aaataagaac atanaatgcg tggaatataa taa 413

<210> 34036
 <211> 375
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34036

agctttgtca aagtttagcat ggatggagca ccttacctcc gcaaagttga cttgaagatg 60
 tacaagagtt accctgagct ctctgatgcc ttgggcaaaa tgtttagctc cttcaccatt 120
 ggtaactata attaatccat aatttaccat acattaactt tttttatat agaatttaat 180
 gactgatcat aactttttacg tatcagtatc tagtttgttt tctctttaat ataactacca 240
 aaagatatgg atcttanatt tgattctgta gaaagttaac taatgggtga tgtgaatata 300
 aaattgaatc gtgcagctga ttcatggta ttaattattg gtgtgttctt gatataattta 360
 aggaaattgt gaatc 375

<210> 34037
 <211> 425
 <212> DNA
 <213> Glycine max
 <400> 34037

tacatatact gacactacaa tggaaataat atgcacttcc taacaactat acataacatt 60
 ttgttcatgt attaatagaga caaccaccag gacattgctt gctcatataa tgaggccgac 120
 aagacaaata tggatgcata attgctacat ttcaagcttt ttgagttgta aactgattca 180
 ctttggcctt gggatttggg gaataatatc agaatgactt gttggaattt cgatactaga 240
 tatatcatat cattgctcag aaattaatat atgatgttta ttctgatgat gatgtttatc 300
 aagcctaatt agtttctgat gtggttcaca attaactaag aagtagcatg tagattaa 360
 caaaaacgaa aacacatata gattcctgtt ataaagcaat tcagtgtac aaaacacata 420
 attaa 425

<210> 34038
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 34038

agcttatcac ccttaccggc tattaaaaaa tcttttaagg gaagttaaga gcatgatagt 60
 gtgctgatac cattaactag tcaacagggt cttgagcggg ttgagggcat caatactata 120
 tttggaaaga cccaaaagaa gaaaaaaaaa agtaaaactt ccatatggaa gatgaggctg 180
 atattgtttg atcttccata ctggttcgat ctagatgtca tacattgtat tgatggtatg 240
 catgttgaga aaagtgtgtg tgatagtgtc atcgacaatc ttcttaacat tcaaggcaag 300
 acaaaggatg gtttgaatac ttgccaagat ctagttgaga tgggtatacg agaccagtta 360
 catccaaggt ttgatggtaa gaaaatatac 390

<210> 34039
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34039

ntgagaattg cccaaactcc ctctcccttt ctaatttcaa gcttaaatag gtgaccttgt 60
 tgggtgcttg acgcttagcg caactccgac tcacttagcg tgcataagtg aatttcggct 120
 tggcgctcgt cttctcgctt agcggatcca tacaagtggg gtgcttagcg agatgagccc 180
 ttgcttagca tgttgtgcta gctcatcctc attccagatt cttcctcgcg ctgagccgca 240
 agagtgggtg gctcagcgga tggctcgcta gcgagaagtt gaaaataaac acttcataaa 300
 cttgcctaataaacctgaaa ttgaaaggaa atgattatta aatacataaa aatggagtag 360
 taagtactta ttacctatat ttaacanana gtaattacaa cactacaaaa taaccataaa 420
 tgggaggagt tagatacaat 440

<210> 34040
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

atgaatgacg atgggaaatc atggctattc tcgcttgat ctcaaagatg agaggatgca 300
atcactaaac aacaaatgat g 321

<210> 34043
<211> 411
<212> DNA
<213> Glycine max
<400> 34043

tactcaagct ggtgcttctg ctacgaagtg gagctggagg aggaatatat tttagatttt 60
cttccttagc tcatgattgc ctgcggttct tgtgccatgg tcctaggtaa cgaaccttcc 120
tttggttgcta ttattattag ggaccacttt agatttaaac tctgttggtc ggtctgattt 180
catttgacat tctgtttccc ccatcttta ttctgttata acttaattct gagcactttt 240
ctaatttata actaaattta acaatcgaca aatgagtggc acgcgatata aaactccctt 300
tctcctatct ttttttctca aaataaataa atcctcgatt accgcattct attcataaga 360
tactttcagt taaatttgga tcaaagcacc ctcgatatatg attagaatat g 411

<210> 34044
<211> 385
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34044

agcttggagc tggttcacgc tggcgtcgta caactgggca ggaaatttat tctccattct 60
tagtggcttt cacacatgag gtatgactta atttgtttca cgtacttaat tatggattaa 120
taatcatcac catattatac tcatgatttt ttttattgat cagaactcgg aaaactggaa 180
gtcctctcat ttgacaaaag gaactatcat ggatccaaat tacagcttgc ctcccaatat 240
tgctctgata actcttgagg tagagcaact tttccaagga tatatatcta tagtctataa 300
cactcttgac tctntttgtc tcanactaaa atgttctgca tgagttggat ggtggaattg 360
tgctctttcc gttggcacat ctata 385

<210> 34045
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34045

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tcattttatt taaattttatt cctcttaaac tatagggtga caaaataagg agaagaaatg 120
attggaggag atggatcatg cctgggtggc aggttcctaa tgtagaggt tctcaaaccg 180
ttggacagct ggctgaacga gttcaaaaca ttactctgga gagaactaac aataacgatg 240
ctggagtatt agatgtttca cagaatagac cttttggga tttgaatagt caatatctcc 300
attccactag cgagggtact gctcaagtcg gtattcaagt ttcagatcat tctatttctg 360
caagaaatta gagctgcaga tgttctttac aaacattttt tgaagaatat tcttc 415

<210> 34046
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34046

agcttatcaa acaaaggtgc tgctttgtct tggggaagac ccttctccag atatcccaac 60
ttgctgtcag tagattctag attagtttgc actaggatag aagtggagaa gtctaaaatg 120
gtagtagggt ttggtagcag tacatactag ttatatgcat attgaaacaa tgtactttgc 180
agtgtcccc cagatgaaat ttgctactg ataccttcag gcacaaagta tatagtcaat 240
gcttattgga caatatagtt agtacttaca agagtacatg tagcttaaatt tcaataactta 300
gagcactata gcacatacca agataagagc gctagtacaa gaagcattct agccttacca 360
gcatanacac gatcatanac tct 383

<210> 34047
<211> 247
<212> DNA
<213> Glycine max

<400> 34047

cgtgggtgcc tcggcatgga tacctgcaaa tcggttctcc cgctgggtgg ggtctcgtat 60
ggcggcgtgg acacgctcat atgtgtctgg gacttgaaga ctgatgagag agtgcagact 120
gctcacggcc atgctcgtgc agtgactcgc attgcctttg acgatggcga tgttgtctcc 180

<212> DNA
 <213> Glycine max

 <400> 34050

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 tgtccaacag actcagtctt ctcatgggac ttcttctctg gaacatgaga aatgaatgta 120
 tcataaattg tattgctata aacagacttt tcccgtaaa ggtctgtggc agatgagttg 180
 aatgcaattg gatggataa caaaaaagat ttgggttttg aagaaccaac ccaggtttcc 240
 tctccatctt cagcaaggga gactgcatga tcatcaaggt gtgcagggcc ataagctgaa 300
 acagcgatct caccagccac ctgcataact tctttgtatt tgaggccaag ctctgcttct 360
 actgaaaatg cgtc 374

<210> 34051
 <211> 377
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34051

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 atagagagaa aatcagagaa gagtgttcac atctocagag agaaaactcg agaagaatga 120
 tcaggattata atctaactaa tgatttcgcc taatagaaaa aatagatata tcaataaagc 180
 acttgtcatt tatgactgcc taaattcatc atactaatta atccgctgac taattcctac 240
 aacatgaatt tgggtcaaaa tgataaccac aattgtacta ctatgttaac aaccaccacc 300
 ataaaagttg ttatttcgac ccacctaacg ccacatatag tgctttctca ctgacgtagc 360
 attcgtagtg atgatga 377

<210> 34052
 <211> 393
 <212> DNA
 <213> Glycine max

 <400> 34052

 agcttcaaca tcagaccact tccagggtgc tggaactact tcacatggat ttgatggggc 60
 ctatgcaagt tgaaagcctt ggaggaaaaga ggtatgccta tggtgtgtgt gatgattcct 120

<223> unsure at all n locations
<400> 34055

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atctttctag tttgtttttt attttcccgc ttaccaagct atcgacgaag aagcatccag 120
caggcaagat cttttccctt tggtgctat gtatgttttt ttcattacta tttgtctcta 180
tttgcaaggt ttaatttttg tttgttttta tgaatgtttt ttatgagaat cctgaaactg 240
accaaataca ggctaaaggc ctaagtggag aatgacaaag cccccaagtg gagaacgatg 300
aaggcccaag tggaaaagga tgaacgcca gaggcagaga cactaccaag actattaatt 360
gttgctgaag gccagatta aattg 385

<210> 34056
<211> 302
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34056

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gagggatctg aggatgaagc ttggattgat tcagtctaaa tttaggcttt agatcattac 120
aaaatatgct tagctgagca acatcttcaa aattgtgatt aggacatttc ctcagcaatg 180
atttgaatta ctctatact tcacaaaagg gttcttttga tcctttcctg aatgtagaaa 240
tatctgactn tacattgata tacctagatg gagggaaaaa tctatcaaga actttctttc 300
ac 302

<210> 34057
<211> 440
<212> DNA
<213> Glycine max

<400> 34057

aaactaagct tacaaaagtt tgtatggctt gaaacaagca ccgaggtagt ggtacaagaa 60
gtttaatgag tttatgagca actcaggatt caaaagatgt gacatggacc attgctgcta 120
tggtaaaaaa tatactaata gttatgttat ccttggtgtg tatgttgatg acatgttgat 180
tgcaggatct agtatggcag aaattaacag gttgaagcag cagttggcag aaaactttga 240

<210> 34060
 <211> 510
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34060

 cgcgcggttg cgacgtttga ggcncctga atccctcgga attccgtgan actatagaat 60
 actcagcct tcggataaag atacctgcat tcttcactt ctcagtactt tttataaact 120
 ctacagggat gcacatacca ctgtgccata catattccgc cactgcctga tgtaaagtta 180
 ctcacatcta ccttatcgcc tgattacatc tggcatcaac tctacaaaac atggcttatt 240
 tgcttattgt gcttattgtg cgcagagtgc ggtatctttg gagggcaaag aataccccaa 300
 gtatgaaatc tataatgcc atgttgtaca ttccatccag aaatggtaac ttgccggcta 360
 actgccgttt ctatctaacc attcaatctc tgactagtag tttctcgac gacgtgtccc 420
 tacgaacata tctttggatg gttgaatcat acttgcgctt gtgcgttgcg tcgctaccta 480
 gccacacttg gaattttctc tcacaccccg 510

<210> 34061
 <211> 494
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34061

 ggctgcanct gatncntntg aatncncctg gatnccttcg nanatncccg cganantata 60
 naatancaca gcttgantta tgaacacgct tatgacaaga ttctacgcta ctgnttggag 120
 cttaaacc aa ttagttaaga gcccctcatt ggtcttagat tgcttatccc ttgacgtcct 180
 cactgtcnaa cttccatctc tgcccttggt agcagaaaat caagaagacc tctacccttc 240
 ctgggttttga tgatgaatgt ccacatgcac ctgattaggc aactgactca acacacctcc 300
 atctagaaca tgacttaatc tcatcacctc tcgcaaggca tcttcttttt gcaccaccac 360
 tggacatcca aattgacatc ctatgaacct atcgtgctgg gtgggtgttcg gactctacta 420
 gtggctacca cgcggtacta cccactgcaa atgcgtgggtg agacttcact gggatctaaa 480
 ctacgcatct cggg 494

<210> 34062
 <211> 403
 <212> DNA
 <213> Glycine max

<400> 34062

agctttgcct ccactttcat attcatacgt tatttggttc aacattaaat tgaaccgacg 60
 cacatttttc atgtacgttt ttgtgagaaa tgaaaattca taacttttaa ttaactgtc 120
 atttgaggaa ttccaaatgg taaaccaaac acgctatctt gaaaagttcc tgtagttaca 180
 gataaccag taactgaata atcaagtttg aaaaattcat gtagttacag ataaccagc 240
 tactcaataa tcaagtttga gtcaataatc agtccaattc taataaatcc ttaatccaga 300
 tagtcacgtt gaacagaaaa acataaattt ttatgccaaa aaacaaggta taaatgcacc 360
 agacacaaat gagtaaaata taatttacgt ttaacacaat act 403

<210> 34063
 <211> 441
 <212> DNA
 <213> Glycine max

<400> 34063

ggaaggatgc ttcaacggag gaaaagaaag agggagcgaa agagagaggg gggagtacga 60
 aattgaagga aaaaaaggga gagaagttga actttgagtt gtgtctcaca agactctcat 120
 tcatcaaagc tacaactagt gttacgcatt attctatcta tagactaggt agcttccttg 180
 agaagcttcc ttgagaaaac ttcttgaga agcttctttg agaaaaattc cttgagaagc 240
 tagagcttag ctacacacac cctctcata actaagctca cctccttgag aagcttcctt 300
 aagaagattc cttaaagaagc tagagattag ctacacatac ctctctaata gctaagctca 360
 cctccttgag actaaaagct agagcttagc tacacacccc ctataatagc taagctcacc 420
 cccatgacac aaaaacatga a 441

<210> 34064
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34064

agcttagaca tatgttttca atagaaagca aagatagtca tctcaataaa catacaacac 60
 aaaaatgaaa tcggtacatt tgggtatttgg ttttggtaat attatgtgac gaattcaatc 120
 caaaaatcaa caaatgaatg tagacctcat aaaagtgtga atgacaacct ttttttttgg 180
 tttttccaaa agtataaaac aaataatgaa ttatgcatag ataaatttta taaaaaaaaa 240
 ataggattgt ccaagtttga atttcaatat aaaaatacaa ctcatagttt ttgctctgta 300
 aatattgttg aaattgaatc gaaaactgaa ctatctactt ttaanactta atcgggttaa 360
 ttatgtgaaa gtcttacggg attgaatggc atcacaacac aca 403

<210> 34065
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 34065

tatggattaa ttcaagttgt ttgaatttaa ttaataatct gggattgttg ttattgcgag 60
 tatttagatg cgtaaataa ctaaaagaaa gtttttacag tccatgtgat cctatttgcc 120
 tcgaaacaaa gtaatgggga gcttggcgtg gaagcagctt cttctcaacg ctctggaatc 180
 caacgctcac ctcaagcact cttctttcat gcagctcgta tgtcaatcaa ccaatctttt 240
 ttttttttct tttttttata atttatgcat ttttatcctt ttatttgtgt ttcggacagg 300
 caaccctagg aaccaacgga acaccttcca accgcactgt cgtcttccga ggattccaag 360
 acaacactga taacatccaa attaacaccc atgcccgac tcccaagggt cttcttattc 420
 tcgatcagct 430

<210> 34066
 <211> 329
 <212> DNA
 <213> Glycine max

<400> 34066

agcttggagt gacctttgtg ttgacccgag accgaaattt gtctgtgtgg gcgaagtttg 60
 accaaaacca tatcaccaac ttggtattca gcttcacggc gctttttatc tgctaaatac 120
 tccatgcatg tttgagcttt ctccaatttt ttcttgattt ctgcgaaaat agcctcgga 180
 tcagtgcgca tgacattaac aacatcaatg ttagaattct ctgcccaata ttgagaacag 240

ttgaaaggct tcttcgcaca tgtgatctcg tacggggaaa gacctgagct tgagttccaa 300
gaggtgatgt aagaccactc cacccaacc 329

<210> 34067
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34067

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cctctataaa aactacagtg taactgaaac tctttcggaa tgaaattaaa tgtcatagtt 120
ccacaaattt ttatgcattt ctctctcttt ctcttactct ctatttctct ctcttctat 180
tttgtagttt caattcattt ctagtagatg tcatccctct ctttttgtgt actcaaagtc 240
agaatatgtg tatggccaat ttgagtaatt aaaaaagtt atttgggttt acggcatgac 300
taagacaaaa tgtgttaggg tgtgtgtgtg tatcaatgcc tattctgttt gagtagtaca 360
gcttcaacct tggacctgaa ccttatccca tntaccctc tgtgagaata a 411

<210> 34068
<211> 182
<212> DNA
<213> Glycine max

<400> 34068

cgggaactca gagacactgc agcatcacgc ttgcagcaac ttcgcaccaa aaccaaacc 60
cccgaataac aacgggatcc aaacacaaaag tcggacgcaa cggacataag aaccaccaca 120
taagacgcgc cgaacattcg catacagcgg acatgcaaaa aagcgaccat actgcagcaa 180
aa 182

<210> 34069
<211> 539
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34069

actagccacc acacgcctaa tgccaaaata tatatacaat aaaananann anaagacgca 60

gtgagactcc tganccntnc gaaaacanaa nacnaagan nnaacacann aactgggcga 120
 accaacgaac gagcgctac taccacctgg caccataac aagagganca atccgacaag 180
 cgcgacccag aaacgaaagc acacctgacc agcaacccca tactggaaaa gcaaaccgga 240
 aacaccgacc tacacaccga aaaacgcaca ggcgcgacga caciaacgaa aacgagccaa 300
 gccgacgcaa acccgagaga actccacaaa ctatacctca tntctaacia ctcaacagag 360
 aacaaaacag acacacacga acacatgtgc tacaacacac cgaatgacc agacactcac 420
 acaataccca cccctctcca tcggcaacia caaacgaacc accaatcgct cactgacatc 480
 tctaaacata acctccaaca cacaacacga gcgaaccgga caacccccga gcgccaac 539

<210> 34070
 <211> 373
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34070

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 tataaataga cctcccatct ttaatggagt gggttaccac tattggaaaa cccgcatgca 120
 aatctatata gaggcaatag atttaaatat ttgggaagcc atagaacaag gaccttatgt 180
 tccctctata gtggccggaa gtgcaacaat agaaaaacct agagcatatt ggactgagga 240
 agaaagaaga ttantacaat ataatttaa ggccaaaaat attattacat ctgctctatg 300
 aatagatgaa tactttacgg tctcaaattg taacagtgt aacgatatgt gggataccct 360
 acaagtaaca cat 373

<210> 34071
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34071

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 gggccatcaa atttatcatg tgttgaccgt aattgattag cccatcaatc tntcggggg 120
 ctgtacacac ttcggccatg gctttcgctt tggctaatag ttgtgggagg tcttgacttc 180

cattcaaggt caaggtgaac ctatccatac acatagtcgc ttcttgatgc aatgcatcaa 240
 tcacctccc tcttgcttct ttctcggcgt acatttggtc aaaatcctcc actagctatt 300
 gttcatgggt cacagactgg ttcaactctt ccttcgactg ccctatgata gctagcatgc 360
 tttgctcgt ggcttccaag tgttgagcca cactcctctt gga 403

<210> 34072
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 34072

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 cacactgtct tattatcaca gaatccatat tgcgaaagga atgaagacca ttatggggct 120
 gccaaagtgat atgtagtttc tgcataaaca ccattctcat tatcttcaac ttaagataaa 180
 catcaatata ctgctgcagc aaactgccga tgtagggcga tcaactaaaa gacctcatca 240
 tcttatacat tataagacct atgatggtta gaacaaatgt ccattaaatg aatccacaca 300
 cccttgcatc ttctggaaga aatatctcct ccattcattt acgtgaactt acaatatagc 360
 ttgggagatt caccacactt ctagccatgg ag 392

<210> 34073
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 34073

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 tggagtgaac aatgtgaacc tcacgtagta gccaaaaaga tgatgcttgg tttatgtctt 240
 gtgcaagaac accatcagat atcatttcat tctccataga gccaaagtaga aatgcttcag 300
 gcttttgctt ggaggtatca aaacaaaatg tgacatcata tgtgaaggga cttaattaca 360
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 ggcacaatga taa 433

<210> 34074
 <211> 389
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34074

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 tcagacacct cttgaagtat tcaaagagtt gagtctaaga cttcaaagag aaaaagactg 240
 tgtcatcaag agaattatga gtgaccatgg cagagagttt gaaaacagca agtttactga 300
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 tggcatagtt gaaggaacaa catgacttt 389

<210> 34075
 <211> 428
 <212> DNA
 <213> Glycine max
 <400> 34075

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<210> 34076
 <211> 537
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 34076

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cggatcgctg cgagaccacg tctaaactgg aatacggccc atggacaacc caccaacgta 420
tgaacaaacc gctggataaa aattataaaa tctcttaagc tcttctcata cctcaaacta 480
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<210> 34077

<211> 284

<212> DNA

<213> Glycine max

<400> 34077

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ctttacgaag gtaccggaga atttcgatta acatcggatt ggcccaaaag acacaagatc 180
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<210> 34078

<211> 392

<212> DNA

<213> Glycine max

<400> 34078

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ggacgtcaat atggccaccg ctgatgcctt ggaatgagaa accaagaagg cccaaaagga 180
agaacacgtg ccagcaaagt tttgaggggc tttatagggc agcaatagtg agctcaagct 240

ccgaagaggt gaaaggaatc atcacgggtc aaaggcatga tcttgaagga cgagctaaag 300
gcttacctta ggtcgaaaag aaatttgtcc taacagttaa gcgagactga agggaaatag 360
tgggccccgca tcgatgagtg caaagagaag ct 392

<210> 34079
<211> 370
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34079

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caactcatag gtccgattca ggcgcataat atatcgagat gcacgaaatt gaacaacgga 180
agctctcgag aaattcaaatt gatcataact tttctcacgg aggtcagatt tatgcgcata 240
atatatcgag acgcttgaaa ttgaacaacg gaagctctca aaaaattcaa atggctcctaa 300
cttttcactc ggaggtccca ttcaggcgca taatatatcc agacgcctga aattgaacaa 360
cggaagcttt 370

<210> 34080
<211> 383
<212> DNA
<213> Glycine max

<400> 34080

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ctcgaatttg gctgccccat gagggatact ttgcaccttg gtagcatgaa aaataccttt 180
caatgggatg tatatatgtg tgtgaatata ggtagcatgg aaacacctt tcaatgggtg 240
gtatatatgt gaatatatgg catacaatcc cttgcaaagt gtgaatgagt agcttcctaa 300
atgaatatat gatggcacat aattcccttt tcacatgcca gtatgtgcat gacgtaggta 360
gctttccaat gtgcatatga ata 383

<210> 34081
<211> 344

2025 RELEASE UNDER E.O. 14176

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<210>	34083
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<212>	DNA
<213>	Glycine max

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<223>      unsure at all n locations
<400>      34083
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gcagatgggc	ttgtagctac	ctcatgcact	cctctaata	ctatggcatc	atttctggcg	240
ctaaattggt	gggagttgga	agccatcttc	tcaattaaat	ntctaacttc	agtaggagtc	300

atgtctccaa gggctccacc actggcagca tctactatac ttctctgcat attgctgagt 360
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 cat 423

<210> 34084
 <211> 404
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34084

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<210> 34085
 <211> 439
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34085

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 ttataacgag taatatcatc cttgtattac aacatgttca atttcccaag tagtatactt 180
 aatgtaataa taaaacttaa tgaataaact caatgtttat tgttgggtcca aaacatagat 240
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 actctgacct gtatgtatac aatcataaag tggaaccaag tcttattctc tctacatgat 360
 ccttgaactt aaatggtgac atgtccttag tcaaaggatc aatgatcact agcttagtgc 420
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<210> 34086
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34086

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 taaatttcta aggcatccat tgcctaagaa atctcgggca gtaagtagac ataactgtaa 180
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 aaagggtccac aaatatcagt atgcacaatt tcaagaagct gagtgcttct tgtagctcct 300
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<210> 34087
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34087

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 tattttttct ttaaaccatt tatccaaaat taatttcttt ctaattatta cttattttta 180
 ttattggatt aaacatcttt ttgatctttc taaatataaa aatggctttt ggtcctctat 240
 ttctaagaga ttgtcacagt acatctatat cactcatctc gttcgatata agtggagtta 300
 acggtaatgc agtttgtgac aatttaccag cacatcaaga tataaatgat atattcatag 360
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 acttttactt tcttacctta ta 442

<210> 34088
 <211> 344
 <212> DNA
 <213> Glycine max

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<400>	34089	
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<223>      unsure at all n locations
<400>      34090
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<210>	34091
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<210> 34094
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 34094
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<210> 34095
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 34095
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 aaagtaatat cttccactag agctttttct ttcaactcta tcaccaacat agtcaacatc 180
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 ttgaaatctt gcacatagat aaacattgaa cataatatca caaatggatg cagttagata 360
 gaccactgag ttgcatccac tttttttgat cc 392

<210> 34096
 <211> 392
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34096

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 gccaaagtaaa acgagtgtgg gcatcaacaa aggttacata atatctgtaa cctgtgttgg 360
 acaagagaga agaccccaca gatctgtata aa 392

<210> 34097
 <211> 422
 <212> DNA
 <213> Glycine max
 <400> 34097

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 tgctgaatgc tacaggcttt gcaaaacttt tttgctgctt tagtctattc tgcaaatact 180
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 ggcattgcta aacaagcttt gcattcaata gctcagtgtg ttgctgttct atgccttgct 300
 gctggtgatc agaagtgttc atctactgtg aaaatgctta ctgacattct caaggatgac 360
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 ga 422

<210> 34098
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 34098

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caactaaaga ctcttgagca ttcaacttga cgcgaaatata atcttcttaa aacaagtaca 360
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<210> 34099
<211> 311
<212> DNA
<213> Glycine max

<400> 34099
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<210> 34100
<211> 391
<212> DNA
<213> Glycine max

<400> 34100
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<213> Glycine max

<223> unsure at all n locations

<400> 34103

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 cccacaaggt ttatccatat gcccatgtta ccacacagaa atcgaagcaa gctcaaatac 420
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<210> 34104

<211> 290

<212> DNA

<213> Glycine max

<400> 34104

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 cctggaactc gacgaagacg attgttggga tcggaatgtt caagacgact cgtatgattt 180
 cctcccttac tttgaacaac atgatgacat tgaacaacct atcctatagg aacatattac 240
 actaccttcc tcaccatacc aacgctctat gaaacaattc cacgtgagag 290

<210> 34105

<211> 336

<212> DNA

<213> Glycine max

<400> 34105

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 caaagatgta actttgcttt gtctaccatt cagcttgata tttggggacc aagtatgggt 180
 acatcttttg gttttcggtta ttttgaacc ttcattgatg aattttccag atgtacttgc 240

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attgagaatc aatctggcag atcaattaag attttc 336

<210> 34106
<211> 418
<212> DNA
<213> Glycine max

<400> 34106

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gaaatttgta gtttgtgaac cctaattctcc caatttcaat taaattttgt ttatttagcc 180
agttgaattg ttgtgttgca ttacttctta tttgggattg atcactccaa aaacctaatt 240
cattaatgta tgtttggatt aaagtttgca aaagtgtctt aagtcttact tctctataac 300
tgagttctta cgccaaattt tactatcaca catatctttt tgggcaacca aacatgaccc 360
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<210> 34107
<211> 379
<212> DNA
<213> Glycine max

<400> 34107

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<210> 34108
<211> 441
<212> DNA
<213> Glycine max

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<210> 34109
 <211> 358
 <212> DNA
 <213> Glycine max

<400> 34109
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 <211> 450
 <212> DNA
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 ataggagtgt aaagcaaaca aaggcggcta tatcccaagt taagaaatga tatacgaact 120
 ataggtgtta atagataatt gctataatag gaaaatgata taggatttgg atggattgaa 180
 tagtgtacca cttagtccag tgtgtttaag gatgattgtg attgaattat ttttggaac 240

attcttccat ttgactatga acatgatttt atgtatattg aaatgagtgc gacatgtaat 300
 gcgtggctct tatgtgtatg aaatgtcaac gccatggtag atgactaaaa ttgaaatgt 360
 ctagagaacc tactccatgt gggataggat tctccatgtg atgtaaccat gtgcatccta 420
 tgtaatcatg catcatagat gtgcatatgc 450

<210> 34111
 <211> 319
 <212> DNA
 <213> Glycine max

<400> 34111

agctttgagg gcgcgtatcc caccatcttt tcatagtaga gtaccgataa tgtgtctacc 60
 atcacgatta tcgctctcct ttttgacat gttctgtagt tgcacccat ccggaaccat 120
 atcagaatag tactgatact gcctaacgaa ggtaaccatt aggtccttcc aagtatacac 180
 tcaggaaggt tcctaagtta gtataccagg cgacagttgt cctagtaaga ctttctcagg 240
 aaaaatgtat cagcagtttc tcatcttttg catatgcccc catcttccga caatacatct 300
 ttagatgggt cttggagca 319

<210> 34112
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34112

actcaagctn tggagcttga agaagttttg tctttntaca tgccttctc ttttaagtgc 60
 atttgtattg attgctgcat tttagtctct atcttttcat atgtacatca tgcacatca 120
 tgtagaggta ggaagattgt atctaaagtt agaaacttct tcagtgcata aaactctcta 180
 ttttaatcga ttacaaggct tatcgtaatc tattacacaa gtgtctgtag cttgtagaga 240
 gattctagtt ttgttttaat tgattaccag gtaaccctaa tcgactagat aattcagttg 300
 agatcgtgtc tggcttttca tgagtctccg ctttaatcga ttaccaggtg atcatagtca 360
 attactttgt tcttaaagat gttcccanaa gtgatcaaga acactttaat cgattacatc 420
 aagaatctaa tcgattacat tgttcttg 448

<210> 34113
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34113

agcttgccgc tggatctgac ccatgaactg ccctaattct tttagactgg tgatccctat 60
gctcttgacc ttgacttgat agaattctctt ttttaagcgaa ggcatttgac ttgatcccat 120
gttttactaa agtgaacaaa aatcgggtgcg aatcaaaacc ccaacatctt tcatgggtgg 180
aatggatgaa cgcatgagga aatgcatatg acacgaatgc aatttatgaa cacggtagcc 240
cgggaaattg tctctttctt agatacaaca tcttggggta gcaaagtgcc cgacgtatgt 300
attaaagaag gtgacacgga ccattctttg gttctccaat gtgcgtgatg canatgcgaa 360
aggcgcaacg cggaatgta cagtatgaca atattcaciaa aat 403

<210> 34114
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34114

ttagaaaccc taatttgagg aagaagaagc aagtgattaa gaaaatattt gataactttt 60
taaattttgc attaaagtcc agtctacatg tcacattttg ggacaatttg tcacgttgga 120
tagtctatgt gactactaaa ttgccaataa tgcacctcac taacgcgtta cttttaaatt 180
taacgacaag gactattttg caaaacttat gcaaagatag ggactatttt ttacatttca 240
aaaagatagg gactaatttg taaaaagggt caaaagtcag ggaccaaaat gcttatttac 300
tcgtacaata acacttggtc aatgtttgac taaaaaaatt gtcattgagac aacacanaan 360
anaaacgaag cataggacaa agtctaaaat tcttggttact caccaaacca catgacaact 420
ntntccatag catatgttat g 441

<210> 34115
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34115

agctttcttc ttgcgatgaa acaaaaaacc acagaaaggt agtaaatgat gcacatacaa 60
catcaaaacc gaacaaaaaa aggttgaacc tttgtacta atcataaaaa atcataaaaa 120
atgaacaaag attgaagctt tattgttgcg atgaaacaaa aaaccacaga aaggtagtaa 180
atgatacaca tgcaacatca aaaccgaaca aaaaaaggtc aaaccttttg tactaatcat 240
aaaaaatgaa caaaggttga agctttcttg ttgcgatgaa tcaaaaaacc aaaaaaggt 300
agtaaataat gcanatgcaa catcaaaacc caacatagcc cgagcaaaat ggtacataac 360
aacaaccca 369

<210> 34116
<211> 421
<212> DNA
<213> Glycine max

<400> 34116

ctgtactcaa tgaagtttat tcttactgtg acgagtttca tactttatat actgtttgtc 60
tcttcccttg tagtttccat agcagcagac acatcatcca tttcacaatc ccaatccctc 120
agttctggaa gaaccatagt ttctccaaat ggagtctttg aacttggatt cttcaatctt 180
ggaaatccaa acaaaagtta cctcgggatt tggttcaaga atattccgtc taaaacatt 240
gtttgggttg caaacggttg caaccacaata aatgattcct ttgccctctt gagcctaaac 300
agttctggcc atttggctct tacacacaac aacactgttg tttgggtccac aagttctcta 360
agagaaacac agaatccagt ggcaaagctc ttggattctg cgaatcttgt gataagggat 420
g 421

<210> 34117
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34117

agcttataag aataactcaat aaacaactta agagagaagt agaaatactt ggtctatatt 60
agttcactca aatagagcta cgtccagctc tcctttacac aactataaag ggtaccacta 120

<210> 34120
 <211> 435
 <212> DNA
 <213> Glycine max

 <400> 34120

 tatgcgcata tttccttaca tacgtttctt tgcacattac atttaaccga aaaagtgcac 60
 ccatatacaa tcaaggcagc ttcattacct agattattta cacgtactgc caaggtgtat 120
 ttgttactta catcacacac atctccttgg ctgaatttgc atacatgcat actcaaagca 180
 ttttggggta ccaaaaattg cacatgtgca catcttggtta tttctaatac ctatatatac 240
 acaaacttca tgatgaatct tgactatctt cacaaaaagg tgctacactt catccctttt 300
 ttcaagtttt tgctacctaa agccgcatgc aaattcaagc atatttttct ttgcggacta 360
 aaattgtatt caaattaaaa ggtatatattt ttgtaatatg ttttcttcac ataacatgca 420
 acatatttat atata 435

<210> 34121
 <211> 393
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34121

 agctttattc aagacaaaga aattaaagat attcaagatg gatgatcaag acagtcttta 60
 gagtcttaga aagggtatat taaataggaa gggaattcca attgaagtag caaaaggttt 120
 ggccaagaaa tttaagttaa aaagtctttt acaagaaatt tactctctgg taatcgatta 180
 ccagaggatg taatcgatta ccagtggcca aaactgattt acaacagcta ttaaaatttg 240
 aattcaaaat ttgccctgtg taatcgatta cacatatatg gtaatcgatt accagcagtt 300
 tctgaacgtt ttaattcaaa ttctatagat tgtaatcgat tacacatata ctgtaatcga 360
 ttaccagact agattttcan anaatattct caa 393

<210> 34122
 <211> 431
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34122

tggtggagtt cactgagaat catggaatgt tcgggttggg ttacgagcct acatatgccg 60
 acaagaagat ggttacctta gaaaggaagg agagaagcct ggcccatcta caagggcgag 120
 gactacaagt ggaaagggtc cccatttgtc acatcaacga aagctttgtc agtgcaggat 180
 ggatgcgtga ggattaggtt gcagtgatag atgaagaaac ccctcaagac cgaccaaatt 240
 ggggtgcagcc atgtcctcca aactttgaat tggggaattg aaaaattgtc aaacgaccca 300
 agatttgcac gacaaattca atgtaatcca atagttccaa ccctattgtt gggcctaggc 360
 tntgggggtct gctcttttgt tagatccgat gttgagtcct gtaagagtaa caatatcgag 420
 gactcggacg t 431

<210> 34123
 <211> 361
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34123

agcttttatg ggatcaagga gtctatcatg tgttcaacaa gatggacgag gactccaagc 60
 ataccttaat agttaaaggt ttagtagtcg ctaaacaaca aaagtttaga aaaaccaact 120
 taaaggctat gaaggtggcc ttggaaaaaa ctttgaagga ggctctagaa gtggatgtgc 180
 acgccatcaa caagccaaac aaaagagatt cgccaagtcc attcctattg aaggccttgg 240
 tctggatagc tttggcatgg caagaaaaat taagaagatc aatgttgggt agaaaaagaa 300
 gaagacaacc agancacaat cctaaaggga tgaagagaaa atgtgatttt gccaaaggaac 360
 a 361

<210> 34124
 <211> 407
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34124

tctatagaag gtccgttcct aatttctcta caattgcac acctctcaat gagctgggtga 60
 agaagaatat ggcatttacc tggggtgaaa aacaagagca agcctttgct tttctcaaag 120
 aaaagcttac taaggcacct attctagctc ttctgaatt ttctaaaact tttgagctag 180

[illegible]

<400> 34125

<400> 34126

14213

<210> 34127
 <211> 248
 <212> DNA
 <213> Glycine max

<400> 34127

agcttctggg agcacaaatg gattggggaa aagccactaa aacaactttt tcccatatcg 60
 catctgataa atgatggaca ggaggacatt attgtaaaca aggcaacttc acatgggatt 120
 gcgagtgcaa gcgacggtgc aacctaattg tctcgaaaca gcagcttcta caaagctaac 180
 tctcaagatg acggttgccc tcattatgac gagcggattt gcgtgaccct attaattgat 240
 ctagaata 248

<210> 34128
 <211> 261
 <212> DNA
 <213> Glycine max

<400> 34128

taaggtttaa tcactgtatg aatgagtgat aataccttca gctgctaaga ggtcaatcag 60
 aacgactgag cagcatgtgc gcagtactca ctgagtcaag aacgggggag gagaggaaca 120
 actaagccag tctccttttt ggggctgtac tcactacgat cgactttgac cggaatagc 180
 aggtgacact caaacccac tcgttactcg tgcacgctc actttgcagg tgagattacc 240
 aaaatctccc tgtgcttgaa g 261

<210> 34129
 <211> 286
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34129

aagaaaacaa aagaaaaaaa agnncccgga caaagnncag aagaaaacaa aggaanaag 60
 aaaatccctg ancaaagaac ggaagaaaan gaaagaanna tgnagaangg gcttcggacc 120
 agacaaatat ccaaacaata caaatagcc ataaccaaat aaggaaataa aggaaccac 180
 gacttgaagt agtcctctcc ctttggttac caaccaaata cctatgcgct aatgactttc 240

286

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<223>      unsure at all n locations
<400>      34130
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<223>      unsure at all n locations
<400>      34131
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<210> 34132

<211> 238
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34132

gaaatcatta actctattag tcaaatttg tcacaaattg atcccttttg cgtgcattta 60
gtcattatat tatatactta aaaattgtta agtaaaaaca aattattatt ctaaaaaata 120
tacttttacg aaaagaaata tttgttaaatt atttagacct gattaatcca acccaaccca 180
tttatgattg ggttgcgttg ggtatgaaaa aaattatata aacccacta nggatggc 238

<210> 34133
<211> 267
<212> DNA
<213> Glycine max

<400> 34133

atgtttcctt aataaagtct acaagtttca acaatacatt tatggattga aagaagtgtc 60
tagaatttgg agcattcatt ttaacaagat aatttgaatg gttaatcttg ttagctatga 120
agaagaactt tgtgagtaaa aaaaggttac tgggagcatt acatttatat gtagatgaca 180
tataaaataa tacacaatat tatgaaaaaa gaattgacta ctaatatatt atcaatgaaa 240
tatttaagag aaacaatat taaaaat 267

<210> 34134
<211> 349
<212> DNA
<213> Glycine max

<400> 34134

agctttgagt aaattgaaat gacaagaact ttctacacgg atgtccggtt gagtcccgta 60
atatatcgag atgtcaaaaa tttagatccg aagctctgag aaaattgaat tgacaataac 120
tttatacacg gatgtccggt tgagtccgtt aatatatcga gacgctgtaa attgaaagcg 180
gaagctcgta ggaaattcaa acgacaataa ctttttactc cgatgttcga ttgaatcccg 240
taatatatcc agacgctcaa aattgagact acaagctctg agcaaattgc aatgacaata 300
actctatata ccgatgcccg gttgagtccc gtaatatatc gagaccctc 349

<210> 34135
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 34135

agcttttcgat aaattcaaact ggtcataact ttctactcgc atgtccgatt caggcgcata 60
 acttatcgag acgctcgaaa ttgaacaacg gaagctctcg agaaattcaa atggccataa 120
 cttttcactc gcatgtccga ttcaggcgca taacttatcg agacgctcga aatttaacaa 180
 cagaagctct cgagaaattc aaatgggtcat aacttttcac tcgcatatct aattcagcgc 240
 atagcatatc gagacgctag aaatttaaca acggaagctc tcgagaaatt caaatgggtca 300
 taacttttca ctgcgatgtg cgattcaggc gcatagcgta tcgagacgct agaaatctaa 360
 taacggaagc tctcgagaaa ttcaaattgt cataactttt cactc 405

<210> 34136
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34136

ntntggagta gaaacatggg acgaactcat tttatttctt attggaagtc gtatctagtc 60
 aaggtctgag agaccataca agtttcctaa cgattttctaa ttatgtgggc cattaagtct 120
 atcatatgct gacaatagcc gagaagccca tgaatctctt cgggggcgga gtaggtgtct 180
 gccatcgctt tggccttggc taacaatcgg ggaagttctt gactcccggt caaggtaaga 240
 gcaaaccgat ccattccacat gggtgcctct tgggtgtaaag agtcgatcac ctttcctcta 300
 gcctcttttt ccgcgtatac ttgggcatat tcgtccgcaa tcctatgctc gtgggcccgcg 360
 gctagacctt actcttcttg gtacttggcg atgatagcta gcatgttggt ctccgtctcg 420
 cataaacgct gagacaagct tc 442

<210> 34137
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 34137

agcttgtgaa cttaatataa aaaaatagac agcttcagtt ttgaaacatg caaattatta 60
 ttctcttttt ctatcataat ttacatata ttttcttttg ttgtttttct ccctttattt 120
 ttgtcttctt attagcattg tgttgcgagt atgtttaact tgagggtaaa tctaaacacg 180
 ctcatgttaa aactttgaga aaacaaataa atttagttaa gtcaatttga gtatttgttt 240
 ttttggtaaa attattttta atgtgctaaa ataatgtttg ttataccaat ttttgttttt 300
 taaaattttt attttgaaca aaataactaa cagggttaat ataaattcag ctataaataa 360
 tttttgtgtc atgcagaaga gatgttttga t 391

<210> 34138
 <211> 435
 <212> DNA
 <213> Glycine max

<400> 34138
 ttctagacag atatgtacca gctgcttctg taattaattt tgcctaaatt atgttttgaa 60
 ggtccaatag cctaaaagaa tggtagaaca atgatagtat cgaactcaag aaatctgtga 120
 aaatccaaat tgaataaaaa gacaggcaaa acgagtattc atgtgtttgc catgaatcaa 180
 acataatgag gttccaacaa tttttaatca aattttaatt ttaattttta ttatccttat 240
 gctagaaagt ttaacttttt ttattttatt catatacttg cacaaatttt gggaaaacaa 300
 gtgtaagaaa ctaagaactt aagtgaacaa gtatcatgaa cacttctaatt tgcttttacc 360
 agagatctca tagcatttac aaaatcaggt ttttcttcta aaggatcaac agacagaaca 420
 agtcttccca gtgtg 435

<210> 34139
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 34139
 agctttatgt aatgtggtac catgtcagtg aaaaacctcg gcggggcgctt aggagtacat 60
 gacaagacaa gccacacaat agtaagtcaa gtcactctca ctaggtaata tcatagggag 120
 accagtcagg gtcacagtggt tttgcgagaa ttttccaacc atatgagatc aacataggct 180
 taaaggagca ctcaaaccgt gtgaccccca aggctacac tccgaacagt ccgtcagggc 240

ctctccctcc tgattcacgt ccaaccaaga aaatatttta gcacacagac tctatctatg 300
aactgtacaa aacacatgac ttctcaattg ttctcaaaat aaatctaact cgccgtcctt 360
taacggctctt atcattaact cgtccgcctt a 391

<210> 34140
<211> 435
<212> DNA
<213> Glycine max

<400> 34140
tgtgatctt ttactatata tgtgtgtgtc ttcgtttatc tctacctgtt taaaaatgtg 60
ataattcact cctcatgtgt tgtttatgtt tggatcatgt gatgatctta aaccttgtgt 120
ttgtgagagc aaatgactag gtgaattact ttaagaaacc ttgtgatgga ggactctgag 180
acacaatatt ttgataggat gtaacattgg aacaagagtt tttattttta ttgcatgacg 240
tatcaaacat gtcattttac tttatttgat aaacttgaac agtcttggtt taagtcataa 300
atatttctaa gaaattttat ttggttacia gtgaagcgaa tgtgaacatt acccacgtgg 360
actgatttac gattttattg aataaaattg atttaattag atctcgcatt ttatatatgt 420
ctttctcatt tatat 435

<210> 34141
<211> 306
<212> DNA
<213> Glycine max

<400> 34141
agcttctttt atcttgtgtc atgggcatat tgagacatgc gtgcgggtcca cccattgag 60
cgactttcca tgaatcaatt tctctacata gaattgtctt catatacaaa gggcaacgaa 120
aatctgcatt tctattcacg caacaaacga cataactgtc ccattttctt tcaaccactt 180
tgaaactttc atgcaccttc ataacatatt gctcgactgc attcttgacc gcacttttac 240
tatcaaaatc catgtcaaca tataattctc tgccaacatt aaaactggat cgcctttcca 300
aaccac 306

<210> 34142
<211> 446
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34142

tatacaatac tcattgctga actcattaga caaaatctat atactagtng gggattcgtt 60
 gggtttgttt ctgctggtat gaccctagct tgtctgataa aaaatgaacc attagtttac 120
 acattatgag aatacattaa tataccatac atcatattat taaagagtgt cctacaatac 180
 cttaatagtg acaagttcaa gcctttcacc cacaatgggt tagtaccctc cacaacatct 240
 ttcaaaaaaa aaaattcttc cacaatctcc aatattgttt tgactagcag atgataatat 300
 caatgatttc agacttaatt angagtttta ttanggtaag ccaaattaca tttctcaacc 360
 atgatttgct ctttagggat tcgattgata tggctactac gtgtttttac aattaatgtt 420
 caatcttact aggatgcaca acacat 446

<210> 34143

<211> 362

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34143

tttctttatt ttgggaagaa aacaggggatg ggggtaatgc atgaagatat tgattttact 60
 atcaaacatt tagtccttcg agatacgtcc tgagagcttg aataaattac agcccaaaaa 120
 tcaacccaag tgcgatgcat tttgctcttt agttaatcat ccaatgtgtc aatatgatcc 180
 acaattagtg ggtaaagctt atacacaact cataccaaca taaggaatgt tatgcacatt 240
 gacgaccaga ggaataaaaa gttgaagtca gagaacacaa ttctttttng tctctatat 300
 cctttcacaa cactaccgga aatggacatg acaacattag acatttctca aaatcatatt 360
 ga 362

<210> 34144

<211> 414

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34144

tgctgttggc ttttatttga cacggtgcgt agaattactt ggtttgttgc actttcagt 60

tatcgagtct aataattacc agttgaacaa atcttatgtg tacacacttt taatataaaa 120
aacaaataac aatcgtaacaa tatgattgta attgtgacat ttcaaaaaca caatagtga 180
tggatacttc acaccaacac tatggtgacc aacaatatgg tgacgtaaaa aaaatagtaa 240
atthttgagaa atatgtgtag tgtttatgaa tatatgtgag aaggaactgt tactatcaag 300
tntcttaaaa gttatcccca tgttctaaaa cttgcttggt tcgtgaagtt aattacctcc 360
atatagtga catgacatgt taatttttca catctgcaaa tatcttagat gctt 414

<210> 34145
<211> 262
<212> DNA
<213> Glycine max

<400> 34145

ttcttttttaa ttcgaattaa aacgttcagg acgtgctggt aatcgattag cacatatgtg 60
taatcgatta tcacatgcaa atthttgaatt cacacctcaa tagctgttgt aaatcactct 120
cggctcctgg gaatccatta catcctccgg ttatcgatca ccacacagta cacctcctga 180
acaagacttt ataacctaaa tttcttcacc aaacctttcg ctacttcaat aggaacctcc 240
ttcctatctg aatatactct tc 262

<210> 34146
<211> 293
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34146

agtctatagt gggagagcga actaatttca tatctataac acttcatgaa gacctcatc 60
tattatagag ccatacgcat gaaatattta ttatgcaatc actaaagaag atagatgact 120
attatcaaca cactattaaa caaaaataat ctttaaaaca taatgtgaca gccgttctca 180
ctttatttta agntaatctt caacataaca aatacacaat tgtagaactc aactaccgat 240
tcgtacccaa ctccacctta tactatatag gattatacaa atccttaata aaa 293

<210> 34147
<211> 298
<212> DNA

<213> Glycine max

<400> 34147

tgcttataact aaattcgact acaactcggg acgctattta agctaactct actcctacaa 60
caggggatatg aggatgaagc ttagttttaca gtcaccctaa acctatgagg gctgtctaaa 120
ttgagcctac tccaacaaga tggatctgag gacaaagctt gaattgattc aatctaactg 180
cggatcgagg cttactaact tacgccacaa cataaaacac aaaaacatga ttgatcgggtg 240
tgctttccgg tcaaccggat ttcccttgaa tactttttta taaagaacaa agcggaca 298

<210> 34148

<211> 387

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34148

tggaattgca tttgggcacc tattctgaat ctcttatggt gcacctacat ataagaaaca 60
gtcccactct cccaatttta caaaatcata ttcatacatc attggggcat ttcactgagc 120
acttggcgag cgcattgtcg gacataaatt gcaagaggat ggggacaatg tggcatgccc 180
cattgcttna gaatacagca tacgcctaag gcctttctcat tcaaactctc aattcaagaa 240
aacaagcata aaaacaaacc aaaactgccc cacaatatata agcacattct ctcaatttgg 300
agcaccaaaa gatgaagaaa atataccaat gggagagctaa aaacatcaag gattgaatac 360
ttacttgtgg gagtgaacaa taacacc 387

<210> 34149

<211> 381

<212> DNA

<213> Glycine max

<400> 34149

ttcttgtgat atatccact gatttttatt tatgcgttta tagcaatata gcgtataccg 60
aattacgttg gatgtattga aactttgaaa ttgacaaaat catcaaaata ctgataatat 120
aatcttataa gaattatata tgtacgaaaa ttttcagcct ttttttcttt taaattttat 180
aatcacagcg atatatcaat aaatcttact gatctatgta ttgtaattga gttacgtaat 240
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caggatcact ctcaaatagc tgatgacaca aacaaatctt taggccaac ttcgaaactc 360
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<212> DNA
<213> Glycine max

<400> 34153

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gactttcaac gtacaaatca aaagaaacgt taacaacata agacaaaagg aattaataat 240
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<212> DNA

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Содержание

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Содержание

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Содержание

[illegible]

Abstract

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Содержание

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<212> DNA
<213> Glycine max

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<213> Glycine max

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tccgtcatct tccaagctaa ccgcgagact ggcgtagagt cacacgtcac taatgcgcgc 180

taaccctcac atcggtgctc aacgagaggg ccccgacagg atttccatat aacacctgac 240
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<212> DNA
<213> Glycine max

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catttatttg atgtagctcc aagtcataac gggctactaa tgccatgata atcctgaaag 180
aatcctttcg agaccagtaa aatgtctctc tataatgaat gtcataattc tgagtaaatt 240
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<212> DNA
<213> Glycine max

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 <213> Glycine max
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 <213> Glycine max
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gatttaaata tgtacacatt tcaattccaa gggttgtgat tgttttttca aaaaaattca 180
 caaaaccata taattgaaac aaaatcttga aattgggttt gggacagttt tccctttttt 240
 cataggttca aacttttggg caattgaata ctatatctcc tatttttttt taaaaaaagt 300
 ttcaacctat ccccttttato ttctttctct tttttccttc ttcctttttt tcttttttgt 360
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 <212> DNA
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 agttagcgaa gaaccgcgta cctgtgcacg ccaattacaa gactattgca agtacgcat 180
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gaac

424

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<211> 356
<212> DNA
<213> Glycine max

<400> 34171

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<213> Glycine max

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<210> 34176
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 <212> DNA
 <213> Glycine max

<400> 34176

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 attgtagtcg tgtggctttg cgtgtctgct tcaaggtaga cagagattgt gatgctactg 360
 caagaggaga acgacgaaga ggaggaggcg acgtatgtgg agtagccatg gacct 415

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 <211> 397
 <212> DNA
 <213> Glycine max

<400> 34177

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<210> 34178
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 <212> DNA
 <213> Glycine max

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 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
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 <211> 443
 <212> DNA
 <213> Glycine max

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 ttttttacta aatacacccc ttgccttttt ttgctgattc tttttccgta acgctacgga 180
 aacttacgaa ttacgtaacg atacttgttt cccttcctta atgttaacga accttacaga 240
 ttacgtaatc atccctcttt ttgccttcca gaatgttaca gaactttacg gattgtgcac 300
 taacactctc ttctaatttt cccgattcca cggaactcta cggatcgtgc tacaatgctc 360

tcttttgact tccgacatgt ctccgaactt c

391

<210> 34188
<211> 438
<212> DNA
<213> Glycine max

<400> 34188

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ttaagcacia cactcatagg ctaagcgcga ggaagactct ggaagaagat gagttgtaca 120
ggtttgctaa gtgcaccgct tcatctcact aagcgcaccg cttcagttca tccactaagc 180
gagaaaggca cgcgctaagc cgaaattcac taatgtgcgc taagcagtc ataagaaata 240
cttcccagag tccaagactg cggaagggaa agatgcaatc tctttatttc atcagtttcc 300
tgatgaatct ttgagtgaag cattggagag gttcagaggc ttgttgagaa gaactctcac 360
tcatggggtt tccaagccaa tccaattgaa tatgtttata gatgggctga gacgacaaac 420
caagcaactg ttagatgc 438

<210> 34189
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34189

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gctaagctca cctccttgag atgagaagct agagcttagc tacacacccc ctataatagc 120
taagttcacc ctcatgccaa aatacatgaa aataaaaaaa gtctctacta caaagactac 180
tcaaaatgcc ctgaaataca aggctaaaac cctatactat tanaatgggc aaaatacaag 240
gcccaaaaga aggaaaaacc tattctaata ttacaaaaga agagtggacc caaccttggc 300
ccatgagctc agaaatctac cctgagggtc atgagaaccc cagggccttc tttagcagct 360
ctagcccaat cctctcggag ttttcta 387

<210> 34190
<211> 437
<212> DNA
<213> Glycine max

[illegible]

<210>	34191
<211>	385
<212>	DNA
<213>	Glycine max

<210>	34192
<211>	416
<212>	DNA
<213>	Glycine max

14240

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 ttacgttgca agtatatttg atttatgttg ctggcaatct ttactttata gtgacatata 240
 aaattataaa tatcattaca aattctcatt tttaggtgac aatctttcct ttataggcaa 300
 cattatacga aagaacatat atgagaaaag gctggtatag aaccaattaa cgaaaaaatg 360
 acaaaatcgg ttaaggtagt aattttgata cgtacacaag agatgcgact gaaaaa 416

<210> 34193
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 34193

atgatgaatt ctgacagact cagggcgtgt cgatcctaac tacgatgatg agctccgggt 60
 cgagatactg actcccctac cgagtcaaga tggcctcacg atttacgaca gatgtgcacc 120
 tccgatcgat gaatcatgaa taatgctctc gatgatccac gaatcccgcac acgaatcttt 180
 caacgatcat actcttaact ctttcacaca atttagtccc atacgaacgc ttcgcaggcc 240
 ctttactcac cgagtctcta ctttctacta atccatcacc acctcattgt aatcgactac 300
 caccagccaa gattgttcta caacgctttc ccttatttac accgctcctc tgattcaaac 360
 ggcgtaccga ctccaccgcc 380

<210> 34194
 <211> 352
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34194

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 attagctcat ctcatcataa tggattcacg actcaaaaga tttactgtag gtctagatca 120
 tcaagatcct aggttaattg tcaaccagca tcctttctga ctgccttact gtgctaattt 180
 tctgatatat tagtatcttt ctttcgggcc tgtctttctt tgatcaagcc aaaagcatat 240
 tttaatgaca gtgaaaattc acattatgga gttatcttgc tcttgaccta cactacatac 300
 ctgattcttt acaaaaagta tacatgcctc aaaatattga taatctgtat at 352

<210> 34195
 <211> 322
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34195

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 ttcacaccat tgtcactttt attcaacata tgatggctat gatctgctat atgtttttaga 120
 tcaataaggc ggcttgacac aaaactgtta acaaaaaccc caccgttggt aatgggtcaag 180
 atactagcca aaaagtgggc aatatgaaac tctaacacct gtcanttcac ctttttggcc 240
 tccttatgac tggaggggtc cgagaccta ttcttgtgat cacagctttg tcttttgcct 300
 tctgcactgt ctctctcctt tg 322

<210> 34196
 <211> 410
 <212> DNA
 <213> Glycine max

 <400> 34196

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 cttgggtatca agtattggat tgcgtacttt catacgaatga atctaggaga ggtgtccttt 120
 aagagacatc gatacatggg atctgcttta tttttctctt agcagagtgt tagttacatg 180
 catgctgtgg ttcatatgtt acacagagta tttcttgttc tacaacttgt gagggtcac 240
 cattctatca cctggaggaa taagtactgg actccagatg aagaaggga gacagaggtac 300
 acattatttc tgcaataatt catagatgaa cctgaagtca aatattacat cttgttctga 360
 ggatgaaagg aacatacttg acttctgaat cagaattgag tacagggtat 410

<210> 34197
 <211> 363
 <212> DNA
 <213> Glycine max

 <400> 34197

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ttacaaagga acgtaatttg gaaattccga ccacgccaat gtgaccgggg ttcagtgtag 180
 gttacaaaaa taacatgtat ttcataaaag gataacgttt acaaagtctc tttctctaag 240
 gttttttcaa ggaagcataa gacatgcaat ggccggctgca aagttagaaa agatgcaaag 300
 agaagatgga actaacaaga aacaagcata gaaccatggg tacctcgaaa gaaaacaaaa 360
 gat 363

<210> 34198
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34198

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 acatttagaa aagttggtat aaggccttct caaatgatgg gtgatggaag cttgcttgtg 120
 ggacttctat ggaggttga tctttgagct tcaatgaagt cctttaatgg tgatttttca 180
 ccatggagat gcagcgaaag acaaaggaga agaggtgaga ggaggcgta tccactaagg 240
 aataagccat ggaagaagga gcttcaccac caagatgagc cttggataag aagcttggag 300
 aggatgcttc aatggaggaa aagaaagagg gggagaaaga gagaggggga gcacaaaatt 360
 gaagaaaaac agggagagaa gtgaactttg attgtgtcta caagactcta ttcatanact 420
 tac 423

<210> 34199
 <211> 341
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34199

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 aattgaacca cggaagctct cgagtaattc aaatgggtcat aactttttcac acagatgtcc 120
 gattcggggcg cataatatgt cgagtagctc gaaattgaac aacggaagct gtcagaaat 180
 tcaaatgggtc ataatttttc acacggaggt cacattcngg cacataatat gttgagatgc 240
 tcggaattga accacgaaag ctctcgagaa attcaaatgg tcataacttt tcacacggac 300

gtccgattca cgcgtatcac atatacagac gctcgaaatt g

341

<210> 34200
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 34200

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cgtgggttcaa tgtcgagcat ctcgacatat tatgtgcccg aatctgactt tcgtgtgaaa 120

agttatgacc atttgaattt ctcgagagct tccgatgttt aatttcgagc atctcaatat 180

attgtaagcc tgaatcggag ctcaagtgtga aaagttatga ccatttgtat ttgtcgaatg 240

cttccttgggt tcaattccga gcatctcgac atattatgtc cccgaatcta accttcgtgt 300

gaaaagttat gaccattcga atttctcgag agcttccggt gttcagtttc gagcctctcg 360

atatattatg cgcncgaatc ggacatccgt gtgaaaagtt atgaccattt gaatntctcg 420

agagct 426

<210> 34201
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 34201

agcttttattt tgcggggttcg ggagacaaaag gtcaagcggt cgcgatatgc gaggatgata 60

ttccgagtag tttggatttg gtacgaccat gctctcctga tttccagctg ggaaattggc 120

gagtggagga acgccccggc atttacgcaa caagcataat gttaaacttt acgggtttttt 180

aaagctctat agttgggcct acgctttana gttttcattt tgttaaggct ttgtgtcctt 240

tgtgtttgaa ttataatac gaggatcttt ctccatctgt tccgtgtctc taccattctt 300

cattcatttg catgtttact tctttttcta aaacggcaga ttcgatgacg agtccccga 360

aggtactaat acctgggacc cgtctatcaa ctctcg 395

<210> 34202
<211> 442
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34202

tgatttgtga gttgattnta gcttttagttt cacttggtta tttctcaact cattaaaaga 60
gaattttcaa agtaaagtgc cggttgagac ttgccctttt gatgattaac caagggttacg 120
acataaacia tccgttgaat tttattttga aagtgattaa atgagattac aatgcaaacy 180
atcgggtcaaa attcatttta aaattgatta agtgagatta cggcttaaac gatcagtcaa 240
aactcactta aaacgaagaa aaagaatact gaaagtagac gagacgaaca tgaaaacata 300
cgaagcaaga atcgacgcct aaggatgcat agaatgaatc caaagcttcg aaatcaaaaa 360
ctaaccagtt gaagattgac gaacgatgaa gaacagcaaa gaatattcac ggaattggtc 420
acggaagcgt tacagaagcg cc 442

<210> 34203

<211> 394

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34203

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tttttctct tgaagaaact tttctaactt agaacttttt ttcaactaa ccatgatgat 120
gaatgatgta accaatacaa atgccactca agggagtttag gcatgtaaaa ctcaaaacat 180
cttcaaaaat tcttcaagct tttccttgaa aggttgttca ccatattgct catgttgctc 240
atgttgttcc ccttatctct aactatctcc cccttttttg ctctgatgat gccaaactta 300
catatgacgt tgagtgcatt tggagggttt gagtcttgag attggagact tgatccttaa 360
tcttatctg acnaattctt aacacttacg aaga 394

<210> 34204

<211> 420

<212> DNA

<213> Glycine max

<400> 34204

gtctaaattg acgctttaga tcatttttat tatgctttgc tgagcaacat cttcaaaatt 60

THE

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<223>      unsure at all n locations
<400>      34205
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<210>	34206
<211>	431
<212>	DNA
<213>	Glycine max

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<223>      unsure at all n locations
<400>      34206
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14246

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 ttgtttttct ctcttgcaca gcccaaactt tctcataagt cctaaatgac atttcaaact 300
 aggattaact ctgtntaacc tccaaatacc actaaatgca gatttggact tccaactttc 360
 aaagtctcac tctatatcca ctcacaacac catactctca ccttctaacc ctaggttaac 420
 tctacccttc a 431

<210> 34207
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 34207

tttcttattg agtaaaataa agcccaaaga gcaggaataa ttaaggaaat cagagctaatt 60
 tgagaaaagc aagctaattg aggaaagaat ggctaattga ggaaagcatg gctaattaag 120
 gaaataagat taattaagga aagcaaagtt aataaaggaa agaagactta ttaaggaaag 180
 tagaataatt aaggaaacca taattaatta aggaaagtaa aggcagactt ggtgtaaaaa 240
 gctcactaat ctgcacctat aaaagaaaaa gagaaaagaa ggagaagaca catagaaatt 300
 ccaagagaat ataattcctc atagaacgaa aaggctagaa gaaggagaag caaacaatag 360
 gagtcattcc ttccctctat ctcttttctt atctttt 397

<210> 34208
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 34208

tggcagatag tttagatagt actcgacgaa ggatcactgc tttgtttgca actgaataag 60
 aataattaaa caaaagaatg agaagtaaga caatggctaa aatacataac actaggcctg 120
 taaacaataa aatttatgat ataaaagtac atgttactct tgcagatcaa aatttagatt 180
 aaatcctcca caccagtctt agtctataca tgatggatat taattagtta gtgaggtaag 240
 ttggtttaac aaataaggca tgttgcttat taatcttgtc gtttgtgaga gaactggggc 300
 ctttgggcat tgggaagtcc aaacactcga agttctacaa gtttaaattct attattcttt 360
 ctgataagat accatgtttc taccaatatg ctttagcaac acagacattc atatacatgg 420

0044100500

accaccataa cac

433

<210> 34209
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34209

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ccatcatatc tnccaaaatc ccataccac gaaatttaag agagaaagaa gtccacccaa 120
acctgaaatt tcgaagtccc actcgtagac acgcacttca cgactccgaa aatgctctcc 180
tttcacgatt tggggcagaa atgatggcca aagggtgaag ctttgtttg agcttcaatg 240
gagaacgaag gagaagagaa tggcaacgtg agggagagag agagctgtct gaacagtgtg 300
ggggctgagt gaagagagag aaaagctttt tggttttaaa tacaaaagg gctttctctt 360
ctctctatta tttatttaa tcaacgccac atg 393

<210> 34210
<211> 433
<212> DNA
<213> Glycine max

<400> 34210

ttgatgcaac atttgagag gttaatgaaa catcttggtg atgcgctcca tgagaggttg 60
gatcaaatgg agaatagaga tcataatgaa gaagaaagga ggagaagagg gaatgatggt 120
gttcctagac aaaaccgaat tgatggtatt aaactcaaca ttcctccatt taaaggaaag 180
aatgatccgg aggctactt ggagtgggag atgaaaatag agcatgtttt ctcatgcaac 240
aactatgagg aggaccagaa ggtgaagctt gccgccacgg agttttccga ctatgctctt 300
gtgtggtgga acaagctaca aaaggagaga gcaagaaatg aagagccaat ggttgataca 360
tggacggaga tgaaaaagat catgaggaag cggtatgtgc cggctagtta ctcaaggac 420
ttgaaattca agc 433

<210> 34211
<211> 395
<212> DNA
<213> Glycine max

Abstract

<210>	34212
<211>	428
<212>	DNA
<213>	Glycine max

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ttcttttcttt	gtctaacata	catacttgct	caaacttatg	aaaagaaaca	caaattccat	120
cacaatcatg	catttaatcc	aaaagcccaa	gtgattaatt	aaagacttca	agatcaagca	180
tcaagaatcc	aatccaagat	tcaagattca	agagaagaaa	tcaagaagca	acaagtcaag	240
acttcataaa	ggataagtat	taaaagaatt	tttcaaaaac	caagtagcac	agtttgtttt	300
acaaaagaat	tttctcaaat	tttctaagtt	accaaagtga	ttactctctg	gtaatcgatt	360
accagttatc	agtaatcgat	tactagtgac	cagtttggtt	ttcaaaatgt	tttcaaatga	420
tttgtaac						428

<210>	34213
<211>	248
<212>	DNA
<213>	Glycine max

ggataaggcg gcggaaggga ctacttacgc tcctgactat gacagccccc gctttacgag 60
cgctatacac cagctagcgc ttcgacgcca ccaagggatg gtcgtttctt cgggagcgac 120
qccgttacct cagggacgac gagtctactg attctctga tgaaacaggg ccccggcgcg 180

ggacatcact ggttactccc atggccaagt tcgatcaaga cactactctt gagtttatgc 240
ccatgctc 248

<210> 34214
<211> 412
<212> DNA
<213> Glycine max

<400> 34214
acatctagag gtgctttcca atctgttctt ttaccactta ttctgccttc ttttattttc 60
agagtgggaa tgcctctgac agcacctttg tcaatgattt tcttcatgcc tcttaagtgc 120
agatgtccca atctttgatg ccatattctg acttcatctt ctttgaggga tagacatgtg 180
gaggagtaac tgctttcttg acgtgtccat acgtagcagt tgcctttga tctgctgccc 240
ttcattagaa cttcactctt ctcatcagtc actaagcatt ctgactttgt gaagcttaca 300
ttgaatcctt catcacacag ctgactgatg ctgatcaagt ttgcagtcag tcccttcacc 360
agcagtactt tgtccagact atgaagtcca tcatggacta actttcccat tc 412

<210> 34215
<211> 377
<212> DNA
<213> Glycine max

<400> 34215
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aggcgggctg cagcaccggc tccgcttccc taactgtact ggaggcgggt gccgtggctt. 120
taccctctat ggttttcttg agttttaaca tgacttccaa gatggaagcc atttgatctt 180
ttaaggccga tagatcggcc ttcactctgtt cttgcacgcc cttttcatta tccatttttt 240
tggatcgagt gttatacggg tgccttggtg ttttcttaaat tatgatgaaa ttcttaaaga 300
aataaacaac agtgagtatg ccaccaaacc atgagtatgc aaatggatga tcggagcact 360
tggatccacc ccaagat 377

<210> 34216
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 34216

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 gatcctgcta caggggaaggc cgatgggtccc cacaagaaga aattaagaac atatttgggg 120
 attgtggcgc gtgataaggt ggacatcacc tacgagaact ggaaggaggt ccctactgct 180
 cagaaggacc taatttggga ggatattcag gtatttctct tttcttattt gattgtgtgt 240
 aattaatagc caaaaaattt cattattgta ataaataaac tttgtttcat gttgttaggc 300
 ggaatttgat atcccagagg cttctgacag taggacaaaa aggaagttac tacagaccat 360
 gggggagaga tggaggcagt ttanatcaga cctcacgagg aaatgggccc ttgcagccga 420
 tc 422

<210> 34217
 <211> 381
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34217

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 cactcctgta agtatatttg ttactatata ttgtgctaac atcatatata tgcattgagaa 120
 ataaaatgac ttaacaaaca aatgctatat ctctgaatac ctgaatttga tgccctcctg 180
 atattgcttg tgactggagg atangtgatc tgagaccatc tatgtcggtta gaactagggtc 240
 ttagccgtga ctctccacaa ctgttggtcag tttcatgaaa ttcagaaggt caccaaaaat 300
 aacaaaaaaa aaatgcttta gttccatcac tctcaagaga tgtaccgctg atcatataaa 360
 atatatagta tggtagaaaa t 381

<210> 34218
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 34218

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 cgacattaag aagatagaaa gagtaaatga aatctaatacc tcaaaagtat gtatctcatt 120

ttcattttcg tcttcaggtt taatgaaatg agaaaaaagt tctgtgtaaa agcatacacg 180
 caaaaataac gtggaacatt attattttaa aaaaacacta aatataaatt attaaaagta 240
 aaaaagtata aattctaatt accaacaatct tttaaaactt aaatgtatca tttcttaatt 300
 tagcatcttc aatatatata tgcaacaacg cctactaaaa tacagtttaa ttttatttaa 360
 acgttacatc tcagtcaacc acaacttctt aacttacacc tgatatattt t 411

<210> 34219
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34219

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 gtcgtcagcg cgatggagaa agcttagatg cagaacacgg agaagaagag agcgcgagca 120
 atgtaggctg tgtatgatat aagttaaaat gtaattccaa catcgatttt caatacaaaa 180
 ccgatgttaa caaaatgatg ttaacgttaa catcggtttt cttctanaaa ctgatgttaa 240
 ctgatcatat gttaacatcg atgttcaaaa aaccaatggt aacgaacata ggtaacatc 300
 ggttttcttc aaaccgatg ttaactaaga gacattaaca tcgattnttc caaaccgatt 360
 taacaaatta atgttaacat caatcttaca agaatcg 397

<210> 34220
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34220

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 agatttatgg gtagacaggt tatgcactgc taaaactaat atgaatttat atgataccat 120
 gagtggatgt taatttatca tgtactcttt tttacactct aaagtgtata gaagctaaat 180
 cgaagacttt tacactatca aataataata taacacctta tttataactc ttactagtat 240
 tatcataaca gtgaatgatg ttcagtagtg gaagaatgat tttcagtcac gcacgattgg 300
 ttgataggat aaattatgct gtgagtttat gctaactgaa ttatataaaa tgcacgttct 360

caaaaaatag ccattgctgt cattntatta ttccttcgat tctgggttga tacgcttgtg 420
ctaacagagg tataataa 438

<210> 34221
<211> 321
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34221

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tttatgggta atgctgctc tagaacattt ccattggatt taatgatgaa atatgtgcat 120
tctcgggtga aacagaggct aagttttgaa ttgcaaaatg tagcagttgg gctaagctca 180
acagttgggc taagcgcata tccaccgcta agcgtanttt cantgcgctt aacgcaaagg 240
agaatctggc agagcatcag catcaaagct gcgcgctaag cgcgacatca atgcgctaac 300
cgcaactacgt gccttcaccc a 321

<210> 34222
<211> 434
<212> DNA
<213> Glycine max

<400> 34222

ctacaatttg aattaaaacg ttcaataact gctgggtattc gtttaccata tatgtataat 60
cgattacaca gtgcaaattt tgaattcaaa ttttaatagc tgttgtaa atcagtttttgg 120
ccactggtaa tgcattacat cctctggtaa tgcattacca aagagttaat ctcttgaaaa 180
agacttttta acttaaattt cttggccaaa ctttttgcta cttcaatagg aattcccttc 240
ctattttaat atactcttct taagactcta gaaactttct tgatcatcca tcttgaatat 300
ctttgtcttg aataaagctt tgagaaacat gtaacccttt ggcaagcttt ccctttggca 360
tcatcaaaac attcagcttg atcctttgtc tacatagatg actctcaaaa agcactctct 420
aaaagataag atcg 434

<210> 34223
<211> 373
<212> DNA

<213> Glycine max
 <223> unsure at all n locations
 <400> 34223

agcttatggt cattttcaaa ggatgttggt tgctctacat ctatactcca atgacccag 60
 atataccaat ttaagtcaag tcaaaagata taatcaattc cagggatgat caattaaaga 120
 ttaactaatt tatctgagat tttccaaaga gtttgatcat gcattattct ctacctaggt 180
 ctaccaaaca taaacaaatg atcaccacaa tacatttgat taancatatg attgatcaat 240
 ttccaattaa acaataataa aaaggtagat aattaattaa tataaaaata ctaaggaatt 300
 tcattaaaaa aataaaggat tacaattaga aagttacatc atatccctta gactaacgtg 360
 actagctatt tat 373

<210> 34224
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34224

agcttgatca aaacaattat ctaatgattt caatccactc attatattca attgctcatt 60
 caaatcattc tcaaacactc atttcatgca aaacaatcca ctgcatatca ttttcaatca 120
 attcactatt caaacacgct tttggtacaa gtaaacactc caaagtgctg aaatttaaatt 180
 aactaaaatt taaaataact aaaatataaa aactgaaatt aaaatgactg aacataaatc 240
 ataaaataac tgaaaataaa ctaaaatttt caagatgcac aaatttaaatt gtccctgctcc 300
 tgtggttgct cctatgcatg ctcattaagg tccaacacct gagcagctgg tgaatcctga 360
 gagataggct gctctaactc agatgctagt gcagatggta caacatcatc angtatgggt 420
 gctagggatg gctctgggat ctg 443

<210> 34225
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 34225

agcttgcttt attcttctgc ttcttgctaa aagagtcaaa tatccattaa tgtatatgaa 60

cctgtgatga tcatacg

317

<210> 34228

<211> 373

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34228

gcctaattcg tctaagagct cgacagcggc gggcattgga tatcgatcac gcaccngat 60

ngcattttaa gctctgtagt ccatgcaaaa gtgccatgaa ccatcctgct tgcgaactac 120

gagcacagac aagacgggtc ctttctagag cattgatcca acctgcgatt caatctcatg 180

tttctggtaa tgtggataac gatagggccg tacgctgact ggcgcacctt gtttcatgat 240

gtgaatgtcg aggtctgttt cgcgggccgt cgtcatctaa taacggggct caaataatgc 300

acgaaaatga tcaattcaag attggatagc tgcgtgggga gacataccac tctgcggtgc 360

gttttctacc act 373

<210> 34229

<211> 527

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34229

cacacgcacc ccaccgcctc cgcacgccac cgatagccca aactaaatc aacaccacat 60

anactnnntt nnntnnggac ggaccgcngc tcgacntcgt anaacancac anannnaaac 120

anannnggna cagccgcac acaaaaagca accagcacgc acgctttctt gtgacaacac 180

aagaccaaca accgccggct aaggacgccg caacaacca ccataccacc gacacaccaa 240

ccgaaacccc acccaacca accaacgaaa cgacgcgccc gacacggcgc aaacagacaa 300

gacgcggccc gcgaccaac caccgacgcc cacacaacac cacgtccgaa aacgaccaca 360

ccccccaccc accccctcc gccacagcg gaccacaaac acgaacacca gccaccagca 420

acacacgcac gcaccagccc cagcgaacta caaccaccac accaccgcaa ccccggaac 480

acaccggaca cccccacaca acaagacaca gccccccacc acccacc 527

<210> 34230

<211> 542
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34230

 acaacgccaa cacgagaaca ataaatgacc gggataacgg atgacgaacc acataaagac 60
 tnanacaacc gcgagacaat tgatgctcg tagcccnca cntaaatann aaaacnnaag 120
 canngaganc ggaaaaacgc cacacagcaa agaatttcat tatcccccg aacgcggacc 180
 agggggggga gagaagcgca agacacgcca agcacagaag gccagaccaa acgcccggca 240
 caaaagccga ccacaggcgc aaagaggagg ccaaacacca gctcgagcgc cnagcgcaca 300
 gaaggacgac aaacacacga cagcgagcaa cggaccaacg cgccaaccac gcatataaca 360
 cgaacagaag cagcgcgccg aaacagacga acaggcgccc atatacaacc agaacaacac 420
 accacgcaca aaactcaacg ccgcgcacac cacacgaatg aagcgcaagg ggaggcccg 480
 aagccacaaa gaggcgacga ggagggaaaa aaccgcgcaa agcacgcaaa aaaatgaaca 540
 ac 542

<210> 34231
 <211> 234
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34231

 ttgctttag ttaattcaaa cgacaataac ttgttaatcg gatgtctgat tgagtcccg 60
 catatatcga gacccttcaa attgaatgct gaagctctca gccaatcaaa acgacaataa 120
 ctccttactc gaatgtccga ctgagtcccg tcatataacg agacgctcga aactgaacgt 180
 cgaagctctg acccaattca cacgacaacc actttttact ccatccctg attg 234

<210> 34232
 <211> 428
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34232

 ccgcttaaac attcaatttc gagcgtctcg atatattact agattatc ttacatccgn 60

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34237

 tgcttatagt atgcccgagt cattcatccc tatgagatgt tgttgaagta ttggcgatca 60
 gaattgccat tccttggatt ataggattga accaagctca tgctcttaca aaaagggttca 120
 tcaagtcaag ttgaaatacg gaagtaaccg tcttgcaaaa ttgggggcaaa agatgaatcg 180
 agtcacatca ctgcttcatc tactgccaaa catatttang attgttgatg tccttggttac 240
 ttncagtttc accttgacaa agttgtcatg gaccatgttg aaaatctaaa ttgattcaac 300
 cccatatacct gcgtaaaaat tcgcaatact tcaactgtac atcattcgca tgcattccatg 360

<210> 34238
 <211> 437
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34238

 ntgaggggtgc gcagcccacc atcttttcat agtagagtac cgataatgtg tctaccatca 60
 cgattatcgt ctccctttcc attattgggg gtaccacctg ngccgccaga tccctccacc 120
 ttttgggcgt gttctttgaa tgatccgtcc cccttntgc aaatgttctg tagttgcac 180
 ctatccagaa ccatatcaaa attgtattga tactgcctaa caaaggcaac cattangtcc 240
 ttccaagaat ggactcggga agattccaag ttagtgtacc aggtaacagc taccacagta 300
 agactttctt ggaaggaatg tattancaat tcctcatctt ttgcgtattc ccccatcttc 360
 tgacaatata tctttagatg gttcttgagg caagtagtcc ccttgtactt gtcaagggtcc 420
 agcaccttga acttggg 437

<210> 34239
 <211> 323
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34239

 aaacaaacaa gggaatctcg agtccaatat atctatcgct taactcttaa agttcattct 60

caatcaatcg atacatatct caattcgaac gagaacaacc tttaaaactg tccactttac 120
actttgatct atcttatata atcaagggtg cataatcact tccgttgctg aacgcgtcat 180
ctcgctgact aatgtctccc ttaaacaatga aaaatacaaa atctataccc tcaacaacgca 240
aaaagcgnca ctcacatatg cgagcgctaa ctttcgtcca tcacccctca tcaaacaatc 300
tactttacat atanggacaa atc 323

<210> 34240
<211> 370
<212> DNA
<213> Glycine max

<400> 34240

actcagcttc ttcattctgc atcaacgaat cactcttttt cacattggac tcacccagaa 60
cccagctaata catatattac ttttatatct catgagagag gattgatctt catctcatat 120
gaaaaattgc tgcattctac ctgctatggt gcagatatac tagcttaacc gttggagaag 180
aataaaccaa caaggacgg gcgaggaaaa agagaggaaa gtcactgggt ccaattcttt 240
ctaactttat ttttaacaaa attaacaat caatatctaa tatttattga taaaaaatt 300
gttcccatgc taactaattg acggacttca ccatttaatt attgtgaaat atatactcta 360
tatttacaca 370

<210> 34241
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34241

agcttctata gaagggtcgt tcctaatttc tctacaattg catcacctct caatgagctg 60
gtgaagaaga atgtggcatt tacctagggt gaaaaacaag agcaagcctt tgctttgctc 120
aaagaaaagc ttactgaggc acctgttcta gctcttcttg acttttctaa aacttttgag 180
ctanaatgtg atgcctctgg agtgggagtt ggagctgtat tggtacaagg cgggcaccct 240
attgcttatt ttactgaaaa acttcatagt gccaccctta actacccac ctatgataaa 300
gagctttatg cottaataag agccctccac acttggaac attacccttg tttccaggaa 360
tttgtcatta tagtgatcat caatca 386

<210> 34242
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34242

tcttatccaa ggctcatctt ggtgggtgaat ctctctcttc catggcttat tccctagtgg 60
 atgggtgcctc ctctcacctc ttctcctttg tttccgctg catctccatg gtggaaaatc 120
 accattaaag gacctcattg aagctcaaag atctaacctc catagaagcc ccacaagcaa 180
 gcttccatca ctccaggttga tcaccatggg ggggaagttgc ctgcgcacga caggggtgacc 240
 ttgatacttg ctctcctagt ttcttaagt agagtgtcat gtggacacgc ttangctatt 300
 tcctgacgaa tgataccata ttgcatttta gagttgagtc acgtgcatgc atcattctga 360
 gcataatcga tttgaatatg aacaagttga tgactagttt gttaagcgta tgttgaactg 420
 atg 423

<210> 34243
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 34243

agctttatta gtgcgggtct gggagacgaa ggtcaagtgt tcgcatatg tgaagatgat 60
 gttccaagta ctttggattt ggtccgacca tgccctcctg atttccagct aggaaattgg 120
 cgagtggagg aacgccccgg catttacgca acaagcataa tgtaaaccctt tacggtttta 180
 aaagctctat agttgggcct aggctttaga gttttcattt tgttaaggct ttgtgtcttt 240
 tgtttttgaa tttataatac aaggatcttt ctctcatctgt tcctgggtctc taccattct 300
 cattcatttg catgtttact tctttttcta aaaaatggca gattcgatga caagtcccc 360
 gaaggtacta atacctggga cccgtctatc aactt 395

<210> 34244
 <211> 436
 <212> DNA
 <213> Glycine max

tagataatag aagatttgtc accaattaaa ataattacat acaatataat caattgaaaa 240
cataattatt aatcaaggta acataattgt atgcacttag ttactatatt aaatggattg 300
attgatttgt taaaatttta ttttaaagta atcaaaaata aattgtaaca ttattatttt 360
tatttttttg aatttgaact aatttgaatt aactaattaa aatagaatta atgacactta 420
gctaattgctg aatg 434

<210> 34247
<211> 395
<212> DNA
<213> Glycine max

<400> 34247

agcttggcct caagttcctt cgcttccatg caacttccat tcgcgagaa ctgcggaatc 60
gtcacacgct cgttcttacc ggactccatc aatcatttcc tcgccacctg cacaccacac 120
aagcacgcgc gttaacattt tttttttttg cctctttccg acaagtgaag attaccgaag 180
tagattttgt ctctttcgat aaagcctttt ccataaaca ccagttaatc aaagccatgc 240
ttaaaggaa cctagctacc taccaacatt gttggtacgc ggcggttaac attaacggat 300
ccaaacaatg ccgttcgaga ttcatgtgtt tctcattagt tgcgcgtaaa taacggaaag 360
aaagaacaac gtccgcgctg tgaacagaga ttaat 395

<210> 34248
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34248

ccttaatctc tttgtcaaca caaaaacttc ccgtgcaata cttcatttat taacgcggtg 60
ccgagggata aacacatcta aagtaagggtg ttagattata tgataatata ttctgatttt 120
atataattct tatatctatt agatttatct ttagtcatat ctttagctat taggtttatc 180
tttagttnta tagttgttat atctattcga tttatcttta gccattccat tagatttate 240
tttagccata tcttttagctt atatatcttt agcttgtaac cttatatata agagaatggt 300
gcttaatgaa ttattcaagg aaacaatttc tttcatggta tcagattgct taaggaaata 360
tttttgaacc ttctcagcc ttccgcacac aggccctagc gtcgtttagc ccctttcttc 420

ttctttctccc cttcttct

438

<210> 34249
<211> 309
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34249

actatccatc catcttccca tgctatctac gcattcactc tttcgttcca cattaacgta 60
ccatctacca aacttatatt atacacaccc actccctagc cacctatcct tccacaaacc 120
tactagatct ccaattctcc actccatcat cttctcaaac caccatcac ttccacntcc 180
acacacttgc cttatgttgc tccaccacac gaatggatag tgcctcccac cattctcgct 240
attnnttcac ataccttgaa atcatattat gtataacttt ttccattctc tatacatcac 300
ttattctct 309

<210> 34250
<211> 320
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34250

gcctcctatt aaactgtctg acatcttgat tccttaccta tatagtaaag atactgccga 60
gaggttgtat ctaggttctt tgggcataac gtgatgccgg ttggccaaga gcctgaaaac 120
caacatgtga gtagtgtctt gacttaaatg caaccaagt aaaactctct tgtctcatalc 180
agteccaagc cccaattgt aatctttgat gagtaatttg aactgattg gatgctggga 240
ttttgaaagc agaatatatt aattctgttn gtgtcctatc taaaattaca tatectacca 300
aattgctaatt gcgtggattt 320

<210> 34251
<211> 354
<212> DNA
<213> Glycine max

<400> 34251

tttcttctaa tgaagtgtgg agacccaaaa tcattcatalc ttagacgaaa ttgtcataaa 60

gtgatagaag tcaactgagac acgccgataa aggacaatga caaaataggc gtctacaaag 120
 tgcttcacta gaaaacgaac ggcgagctaa aggcgatggc caaaaaacac gttgaaaaga 180
 gacaacgata gaatacgcaa tcaaaatgat ttgttgaaa atgaacaaca aacaaaagga 240
 ggtggcaacc atcgtagaga gagacgaaca aaaaatcatg aaccaataaa gtgcataaaa 300
 acgtgttttc gtactgggtc caactaaatg atcatgtatg tatggggaca aaac 354

<210> 34252
 <211> 447
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34252

ggaactataa aactccgctt gatgagtact gggaaagatg aagaaattgt gtgcttttgt 60
 cctcaccacc agattttctga gcaactcctt cttcaatatt tctatgaggg acttagcaac 120
 atggagagga gtatgattga tgctaccagt ggtggagctc ttggtgatat gaccctgat 180
 gaggctagga atttgattga gaagatggct tccaactccc aacaattcaa tgcaagaaat 240
 ggtgctatta ttcttanagg agtccatgag gtggccatgg attcatcttc atctactgaa 300
 aataaaaagt ttgaaggaaa acttgatgcc ttggtcaacc tagtaactca gcttgccatg 360
 aatcaaaaat ctgcacctgt tgcaagagta tgtggtctat gttcttctac agatcaccat 420
 acagatcttt gtccttcttt acagcaa 447

<210> 34253
 <211> 328
 <212> DNA
 <213> Glycine max

<400> 34253

ttgctttgtt tatggtactt acccgttgaa gatcgaagaa cgatgaagaa cgactgacca 60
 acgtccaaca atggttgaaa cttttgcgaa attcctcaca gaaaacgtta ccgaaacgtt 120
 tcggaagcgc ctccgcttag attttcttca cggaacaat ttttccaagc aaattccaaa 180
 gagagagaag tgcctcacgg gctgaacccc ttcttcttc acttctctcc ctatttatat 240
 caaaatacgg gaggtggctg tcgcccagct cgcccaggcg agccaggatg cttccttcac 300

aacaacacgc ttctggagga atattcta

328

<210> 34254
<211> 418
<212> DNA
<213> Glycine max

<400> 34254

tgtccctcac ttccatatta gagcccaacta aggatctctt ttatgcttgt tctttcctcc 60
tccctaagtc cagctcttaa atggagtact tccatttggt gtctatattc ttcaatactc 120
atactccctt gtctaagcct ttggagcttg ccataagct ccctttcaga gtaggaggga 180
atgtgcttct tccctaaggc actcttaaga ttattccaat actctactgg aggatcccca 240
tgaatccttc attccataac aagggaagtc caccaataga gagcctaccc ttgaaagcta 300
acggtagcca atggaacttt tctttcttcg ctaatatgat ggcaagcaaa gagttgctca 360
accttcattt cccaatctaa gtaggcctca ccattatctt ttccatggaa atatggga 418

<210> 34255
<211> 330
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34255

tttctttagt caaactggat gcattggtta actcggtcac ccaactggnc ttgaatcaca 60
aatctgtacc tgctgcaagg gtttgtggtt tgtgctcttc tgctgaccac catacagacc 120
tttgcccttc catgcagcat cctgcagcaa tcgagcagcc tgaagcttat gctgcaaata 180
tttacaatat acctctcaa cctcaacatc aaaatcaacc acatcacaac aattatgacc 240
tctgcagcaa cagatacaac cctgtatgga cgaatcacco taacctcaaa tgggccancc 300
ctcatcacca accacagcag cctcgctctt 330

<210> 34256
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34256

caaatttgat catcctgctt tgatgaatga gaaaactagg gcaaataaaa aggatgagaa 60
 tgaggaagga acccgtgttg tggtgtcat tctacatgg ccaaacttcc caccagccca 120
 acaatgtcat cgctcagcca atatcgcccc ttctccttac ccaccacca atcatccata 180
 aaggctatcc ctaaatacat cacaagttt gctagccgca catccaatgt aaagggcaaa 240
 ccgaaacacc aaccaagaaa tgaattttgc agcgaataag cctgtagaat tcaccccaat 300
 tccatgcct atgtgtatgt gctcccatat ctacttgata atgcaatggg agccataacc 360
 ncttgccaag gtcctcaacc t 381

<210> 34257
 <211> 308
 <212> DNA
 <213> Glycine max

<400> 34257
 tttctctctt cttatccgca aatgaacctg cccaacctca ctctactcca gaaaaagatg 60
 atgacaaaaca tctaaagagt cagttaccta acaattccta tgcaggtgaa tcttccactg 120
 gtaattctga tttaccgaac caacatatcc ctcttccatt cctccaaga gcaatttcca 180
 caccaacaac ggaacacgca tacaacgaaa tcttggaac atttacaaaa gtagacgtcc 240
 acatacctct gctggatgca ctaaagccaa ttccaagaca tgccacattc ttgaacgagc 300
 tgtgcact 308

<210> 34258
 <211> 435
 <212> DNA
 <213> Glycine max

<400> 34258
 tataataggg tgatgttcga ggggccatgg atgtgtgttt tatctttata ttatgatata 60
 atattggcac cctttttaat ggcaagtgcg acatagagta ggaagttggc agtgtggatc 120
 tatatcccaa aattacatat tgaactttat aatcatgagt tcttttatag attgggatct 180
 atcctcgtag cattctaagg tctagtttgc acatgtatgt gtcaaattgg atttgaatgt 240
 gcctctacaa ccaaaagtta tagcccgagg ataactgttg aagttacaat atgagggatt 300
 gcataaaatc tatttcaaat gcataaggta tggtcataag gagaataatt gtgtaagtgt 360

tggaatgaca caggagcata ggaggagata agtacaccaa ttggagtggg tggcgatagc 420
aatcacaata tgacg 435

<210> 34259
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34259

tgcttctggg gggacatctt gacttgcttt ccaatctgac attcaccaca gattctgcct 60
tcttctatct tcagattggg aatgcctcta acagcacctt tgtcaatgat tttcttcatg 120
cctcttaagt gcagatgtcc aaatctttga tgccatattc tgacttcacg ttctttggag 180
gatagacatg tggaggagta gctagtttct tggggtgtcc atangtaaca attgtccttt 240
gatctgctgc ccttcattag aacttcactc ttctcatttg tcaccaagca ttctgacttt 300
gtgaagttta cattgaaccg ttcacacac agctgactga tgctgatcaa gtttgccgct 360
agtccttca ccagcagtac 380

<210> 34260
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34260

cttgagcaat tcanatggg tgaacttttc acttttagtt ctgattctgg cacatcacat 60
atatagacgc tcgaaattga acaacggaag ctctccagat attcaaattg tcataacttt 120
taacttggag gtccgattct ggcacataat atatcgagac gcccgaaatt gaacaacgga 180
agcacttgag aaaatcaaatt ggtcattact tttaactcga aggtccgatt caagcacatc 240
acatatagag acgctcgaaa ttgaacaacg gaagctctcg agatattcaa atgattataa 300
cttttaactc ggagggtccga ttcaggcgca taaaatatag aaactgtcga aattgaacaa 360
tggaagctct cgagcaattc aaatgggtcat aacttttcat tcggagggtct gatactagcg 420
catgatatat cgagacgct 439

<210> 34261

<211> 385
 <212> DNA
 <213> Glycine max

 <400> 34261

 agcttttaaat aagaaatatg agtaacaaat gaacatatgg tatcattgat atttgatcca 60
 atacaacgac agagattcat gttatgtctt aagtgttgga tttggactca atcaaagatc 120
 aaaaccatca tatcaacaag cactaatgtg tacaaaaagt tgctagcttt tacatccact 180
 tcattcaaaa ttccttagat tttgattttc aatcgtaagg gtatcttcat tttttttaag 240
 aaattatatt tgtacaaaaa atcttacaat aaaaaagaga gaggaagag aaaattttga 300
 aatgtaataa atgatatgga aggaaaacat agacatataa aatgatatta tataaattgc 360
 tgcaagaatt gctgtacatg tatta 385

<210> 34262
 <211> 420
 <212> DNA
 <213> Glycine max

 <400> 34262

 ctataaaaact cagcttgggg ctgctgggct tgtagttcct atgagcttgg gagtttttga 60
 agtgagggggg aagagttttg ggtgaagaaa acgttcccc tccacctctt tatattttcg 120
 tacagggggtt gctcgcccag gcgagctaac ctgtaccctt tttttttttt tttgagggga 180
 acattaacca tgtctcctcc ttccttatgg gttagcgttt gccacttga acctacttaa 240
 attagaatta ggtgtcgatt acttatttta aacaaacaat agtaaaagaa actgcgaatg 300
 caaaggatac tgggctgcct tgcaacgacg ttctctgctt gtttagtgcc gggaaggggc 360
 aacgateggt cggtcgtgac cttatcccca cttgcatcgg tccctatgta cctgtaagta 420

<210> 34263
 <211> 369
 <212> DNA
 <213> Glycine max

 <400> 34263

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tagcacaatg attctgtcgt ctcttgagtc tagttgcaact ctcggctcta ttgcattccc 180
 tttcttgctc tcatgaaggt tccttatcct taatgaatct ctgcagctac cccttctaaa 240
 tcaatttttc tattttttcc ttgagggttaa cgcattcctt agtgttttga ccaatgactc 300
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<210> 34264
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34264

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 gcgtttattg aattcagga aatcctaaat ctatatataa cgcaatttgg gtttttatac 120
 tattttgaat gccaggagaa atatttgtat gcttctcaac taccatttc tacagcttta 180
 gtctgtccaa gaatgtggcc ttttcttggtg aaaaataatg ttttttttta tttttttaga 240
 aaatacatte taagatgtcc cccttgatat ctccctacct ggactacttt tagtaacttt 300
 gtaatgcatt cttattagac aatgatacaa acattcctaa taacatcttt gaagcatgtg 360
 atggtaagat tgatgatgct tatgtggagc catcatttgc tgttgngaaa tct 413

<210> 34265
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 34265

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 agtcttagaa agggatatatt aaataggagg ggaattccaa ttgaagtagc aaaagggttg 120
 accaagaatt ttaagttaaa aagtcttttt caacaaattt actctctggt aatcgattac 180
 cagtggccaa aactgattta caacagctat taaaatttga attcaaagtt tgcactgtgt 240
 aatcgattac acatatatgg taatcgatta ccagcagttt ctgaacgttt taattcaaat 300
 tttaaagctt gtaatcgatt acacacatac tgtaattgat taccagagga gtttttcaga 360
 aaagattctc aacagtcaca tctttctgtg tg 392

<210> 34266
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34266







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 cttaggataa gtcacccctt tgtacctatc gaaatcaggt accttgaatt ttgggggggat 180
 gacgatgtcc ggtactaagc aaatatcagc catgtccacg aatggatagt cgccatagcc 240
 ttcaacaact ctcaatctct cttcgatgag attgagtttc cttttttcct ccgttgccag 300
 ggggtggcct tctgcggaaca agaattattg ttgtgctggg aggtttcgag gttctcccg 360
 gaggttgggc tgaggtagtg tgttgggtgc cggccccctg acgtggatcg gngagtanga 420
 atcgatgtct ccttggg 437

<210> 34267
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 34267

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 gtatatgcgg aaaaagaggc tagaggaagg gtgatcgact ctttacacca agaggcaacc 180
 atgtggatgg atcggtttgc tcttaccttg aacgggagtc aagaacttcc ccgattgtta 240
 gccaaaggcca aggcgatggc agacacctac tccgcccccg aagagattca tgggcttctc 300
 ggctattgtc agcatatgat agacttaatg gccacataa ttagaaatcg ttaggaaact 360
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<210> 34268
 <211> 427
 <212> DNA
 <213> Glycine max

<210>	34269
<211>	398
<212>	DNA
<213>	Glycine max

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gtcgccagct	cattcttcaa	caggcacgtg	gtcagagtcc	cgagcctcct	cccactgctt	180
gggagcttac	ggtttcatgt	tctatttcac	tccccgatgg	gggttctttt	cacccttccc	240
tcacggtact	acttcactat	cggtcaccca	ggagtattta	gccttgcaag	gtggtccttg	300
ctgatacaca	cgggattcca	cgtgccccat	cttaatatga	attactcaca	acgcaattca	360
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<210>	34270
<211>	437
<212>	DNA
<213>	Glycine max

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ctctaagggtt gattttcact tcattcttct gttctattct cacttgtagt ttcaaaacct 120
tattttgcac acttgacggt tggaaaacttg aacctaaact ccctcattct tccttctaaa 180
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tttgggtggaa cctataaggg ccaaatttca gttatttttg ggattaaatt gtttagctata 240
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 tttggagaaa gaggagacca tatttttctt cttcttccaa gctttaccaa gtattcttga 360
 acccttcttc catcaagctt aagtaagtga cctccattnt caactctaag gctgattntc 420
 acttcatctt cttattc 437

<210> 34271
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 34271
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 aaaggcaaga aagagactga gactttctga tgtagttggt ttctcaaaat cacatatttg 120
 accctatttt ctttggtaac tcattttcta attactacct aacaaatatt ttgaaagaaa 180
 ataactctta atatacgcg gataggagca ggtaaattcca tattaataag ctgcaaaatt 240
 tggcaaagga tacatccaga tcttatgcga tctagttctc cattgaaaat aatcactttc 300
 cgttcagtgt tcaagaccgc ctctttataa agttcttcca caacaagtat ttctgaaata 360
 caagggagca gtaatcatga ta 382

<210> 34272
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34272

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 tgtgtgcttg aaagaaacac tatcctcatg agaagtgaag catggttgat cttctttgat 180
 gtttgtcata cttgctaacc tattttatct ccaagtgcac tcttcgcacg cttctatcat 240
 gaaaactatg tatgacaaat gtgaacttga gagttagaaa ttgaagttgt ttgaaagata 300
 tgtagttgtc tcaattattg gggctgatta cattctaaac attgtcattg acctaactta 360

gtgtagttta gtttactttt gcttgaggag aagaaaagct ctattgnggg agtttgataa 420
 ttgttatgta tacgtaaatt 440

<210> 34273
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34273

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 cataaacatc accaccccag tttgtcttgt tattttttta acaagatgca ccacgcccac 180
 catgcctccc accagctcca tcgttgccaa caggtgtgcc actattttgg gaaggtggag 240
 accctcctaa agatgatgag tctatataag aattgtatcc cattgtcaga ttggctgcaa 300
 ataaaaccac agagccagaa acaatggatg catcttgacc aagtctaacg ttgccggata 360
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<210> 34274
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34274

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 caacattacc ttcagtgaag aaagttattt cctatagcat tagccgaaaa agatttaatt 120
 acaaaatttt atggcatttc ccgttgggga gttttctcaa gcaagtttcg tgcattggcag 180
 tgtgtgttac tcagaacatg ctgagttatt tttagaagaa aagtaaaaac gtgagagatc 240
 accaaacctt ggttcagcaa gatgcagtgc agaagcaaaa ccttcgattt gagactgcct 300
 ccaaagtagt ggagtttcag ggttttaaaa atcgtccctg aacaccaaatt gtcgcttctt 360
 tgccaagaat cccgtttgaa acccanaaaa nattatagca ggaaccaata aaatggataa 420
 tggagaa 427

<210> 34275

<211> 125
 <212> DNA
 <213> Glycine max

<400> 34275

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 aagatatcgg gactctccaa agcgaaagcg catgctatcg cagaagacta acgacaataa 120
 cttgc 125

<210> 34276
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 34276

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 agcttcagct ttcaatttcg agcgtcttga tatattacgg ggctcgatca gacatccgag 120
 taaaaagtta ttgtcgtttg acttttctta cagctcccggt tttaaattac aagcgtctcg 180
 atatattaga gggctcaatc ggacatccca ataaaaagtt atcgtcgttt gattttccta 240
 acagcttccg ttttcaatta cgagcgtctc gatatcctac gggacacaat cggacatccg 300
 agttaaaatt tattgtcgct tgacttttct tagagctatc gttttcaatg tccagcgtct 360
 cgatatattc cacgggtcaa tc 382

<210> 34277
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 34277

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 atcaaaatct tcatgattta cattctcccc ctttgtcaag caaattcttt ttgatatcat 120
 caaaacctgc atgatttaaa aaaacaagct agcaattcta atgaatcatc acttcatatc 180
 ctttcccttt tcaaccaagt tagcactact tcttatacca aaatcccaac atataaaatt 240
 tacaacaact ttgtacagtt tataacataa tatgcttaag tcaaacattt atttattcac 300
 aaagaacttg cttccctttt tctttttctt ttctttcttt tcttttctat ccaataattc 360

aatatttaat ttaccttaat accctcattt a

391

<210> 34278
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34278

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gtgcctgagg aagtgttca gcaagttggt ttgcgcgaa gaccaccacg aagcgatgat 120
catgttgaag gacatgccgc ctgagccaaa ctggtaccaa gggaagtgga ggagggcaag 180
gcacaatggg aacaatgagg agtcaaagg agagaataat aacaacaaca agggagttca 240
aagaaacaga accattgcct tatcagggcc tttggatggg aatggaagaa taattcatga 300
gaagatggtg aacaacaaca aggtgatgaa actctctggt cctcttgatg ggaaaatgaa 360
tggtggtaac aatgagagag tgaatgtgta tgcaaagca aatagaagcc cattgat 417

<210> 34279
<211> 376
<212> DNA
<213> Glycine max

<400> 34279

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tctcctctga cttatttatc tatgttgatt cttcctctta aggggtgtaat tggtttagag 120
gatggaaata gacgagaaat tttttaattg agtagagcgt aaaaggtgtg ggtcccacaa 180
aaaaggtaaa aaacttatct caaatatttc tctcctctct accaaacaca ccattaatga 240
atcatgaact cacaataaat cttcctgcat gttgaaaatc aattgtcttt tggctattga 300
gaatattggt ttaaccact gccccgcct tgctctctga acaccaaccc attcccacat 360
ctctccatct tgtttc 376

<210> 34280
<211> 430
<212> DNA
<213> Glycine max

<400> 34280

gtatttatga aacaactttg cttgtaattc tttttcttat aattttatat aacaaggggc 60
 atttgaaatt atttatttga ggttataaaa gtgactaatg aaatttctat aagtttttca 120
 ttgtattgga ccttagatgt aacaaaactt ttgttttggg tgctgtcaa gtagtaagta 180
 acaatgtagt gtcatatcat cacttagttg acgataaaga ttcaacaaaa gttttgatat 240
 atcaagacaa taatgtaacc aaaaaattta ttgaagaccg aaaataaaaa attgtcattt 300
 atcatgaatt tcacacatat ttaatctttt cttttattta caagagtctt acgttcgaat 360
 ttattaataa gctcttattt aataacattc tattgaatag gtgcttcatt aacttcgtta 420
 cctcaatatt 430

<210> 34281
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 34281
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 tgattaggca tggctgtaca attctgtata gtaacataaa acttctcgtg tagacaacaa 120
 caaacatcat tccacatcat ctagccattc aatgactgaa gaaagattca tagaaatttg 180
 taataacctat caaatatttg tccaaaggga accattgcaa cgtaattagc agccacctgt 240
 aattacattt catcaggtat tattagagtt gtcagagagg cacatggaag tcaagtcagt 300
 cttgccatat tgagatcaat atcacttgct gacagaggac ttaactctac tccagacaaa 360
 ggtcactact cttaagttta ttcaagggtg aaaaaac 397

<210> 34282
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34282

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 gcctagtgtc tggtccctca tcaagtctat aatttttagcc attagaatac agtggattag 120
 ggtaatgctg aacttggtatt atttttcacc ccactcttga ccttaagctt gtttaacaatg 180

ctttgagtat atgttgataa tgataagtta aagagatggc ggaaattaca cttttgaagt 240
 gtgataaaga taaaagtagt atttttaaga actagaaagt ccaactaaat aagttgcaac 300
 tacttttaaa gttgctatac tttgcaagtt ccgaaaacct ctggtgtctt gacctatttg 360
 gcatattgag ttttcatggt cagaggggaat tctgtttag ttgctaggaa tgcantgtct 420
 ggaaacaaaa t 431

<210> 34283
 <211> 306
 <212> DNA
 <213> Glycine max

<400> 34283
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 aaatgcaccc atatacaatc aaggcagctc cgttacctag attatttaca cgtacttcca 120
 aggtgtatgt gttacttaca tcacacacat ctcttgggt aaattcacat acatgcatac 180
 tcaaagcatt ttggattacc aaaaattgca catgtacacc tcttgggtatt tctaatacct 240
 atacatacac aaactctatg atgaatcttg actatctaca caataagggtg ctacatttca 300
 tgctct 306

<210> 34284
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34284

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 ttggtttaag gataaaagggt atgccccaca ttatttccat gacacaaatg caaaaatgat 120
 gatttggaat ctttatgcaa aactgggtcat gcatgcacct atgtggacac tcaagtgtca 180
 aatttttatg gtcattgtat gctagggtc aggattcatt tctctatatt tagtcaaccc 240
 aatgtttcca aaatatgttc ttttatccat atgtgcattc atccgagtc attttggggt 300
 tccgngaaa ttttcacagc attcaccctt caggtgtata cacatttttc aaaaactagt 360
 tatgattagt gaattttttt caaagaaaag ttggaagtca tctcttttca aaagcatgtt 420
 ggtttttcag ctagacaact tatttttctt t 451

<210> 34285
 <211> 342
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34285

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 ttgtgttttg gtgctttagt tgctcatatt atgcgaaatt cgtgaagcaa ttcacatatg 120
 aaaccatact tgttttcgct aaattaaggg gttgtaacgg atggccttaa gcctatgttg 180
 cattctggag taatggggca tgccacattg ccncattct cttgctattc atgcctaaac 240
 atgtgcnac caagtgtcgt gtataggagc aacatgtaca ggtaaaatg agtgctgaa 300
 tgcaattct acgctaagaa cccaagctct tgatttcaat ac 342

<210> 34286
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 34286

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 ctgggtccctt tcttcccttc gcaacttgag ttcattattg ctaccccata gagctccgag 120
 aaatttggtc cggccatact cttccttgag agccctcttg gtctcttttt caagggtctt 180
 tgcggttaatt gcattctctt cccgtaacct ggcgactcc ttccgaacgt gtgtagcagc 240
 caacttgaac ttctccttgg cgagttttgc ctttctaac tcgcttttga gagcttgagc 300
 ttctcgtcc tcttcgggtg cttcaaaatt ctcttcgctg acgactttta acttggcgag 360
 ccaatctaaa cctcgtatgc gaactttcaa ccattcgttg taccac 407

<210> 34287
 <211> 337
 <212> DNA
 <213> Glycine max

<400> 34287

gacgtatgct ttcttgtaga gttatgtctc gtctcagttg aatcaattac aagcttatcg 60

<211> 416
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34290

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 aattggaaca tttgggtcccc ctgggtcgggt gaacatgttt agaaataaaa acttgtgact 120
 tgacccaaaa gtcaacgaga ttgaatgggc taggttggat gtgatccaag cacactaaat 180
 gccaacaca aattgtttgg attagtttgg tttaattcag cttcacgggt gaccggtata 240
 cttaaacacg agatttaaatt cttgcacctc ccatattgta tcctacacct cccaaaaatg 300
 tttgaaaaga ctaaatttcc aaaacacctc gtccatacta atcacagtcc taagacttgt 360
 tatggcacct ccttcacccg tgacaactat gacctcatcc tccacattgc accacc 416

<210> 34291
 <211> 393
 <212> DNA
 <213> Glycine max

 <400> 34291

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 caacaagaat caagccaagg ctattgtgca agcaatcaat ggggcaaac acaccaaag 120
 attataatga tggatggctc aaattctcac aaaggtaaaa tcatcacttt caaattgagc 180
 tttcaaaact atcatgacat gtagagaaga atcaaggatt tcaagtcaca aaatgtcaag 240
 aacttttatt ttcaaaacaa ttaccatttt cttgaacata tcctataatc taaagaaaaa 300
 catgcaaagt cgtacgtgca catgaaattg acccaaaata ttaaactgaa aatccgacga 360
 aactaacaac attaacaaat taacacaact aac 393

<210> 34292
 <211> 438
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34292

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tcttcacgtt tgaaaacacc ataactaaac gcgccgcaag ggatccctat cgcaccagat 120
 ccaaattctag aacgatgggc gatcaagagg agacacagga acagatgaaa gccgacatgt 180
 cggctctgaa agaacaaatg gcctccatga tggaggccat gttaggtatg aagcagctca 240
 tagagaagaa cgcggccacc gccgccgtg tcagttcggc tgccgaagca ggcccgactc 300
 ccttggaac tacgcaccat cctccctcaa acatagtagg acgngaggg gacgcactgn 360
 ggcacgatgg cagccctcac ctgggataca accgagcggc ttacccttat ggattgccgc 420
 ccaactattc accaccca 438

<210> 34293
 <211> 385
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34293

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 caatagcatc acttctggcc gtggtcctgc aagcaaggaa atctttttct aagaatactc 120
 tcttgaggtc atcccagctc gtgatagacc gtggagcaag gtaataaagc cagtcctttg 180
 ccaactccctc tanagaatga ngaaaagcct ttaaaaatat gtgatccctc tgcacatcta 240
 cgggtttcat ggtggagcac accatatgga attctttcag atgtttgtat gggctttcac 300
 ctgcaacgcc atgaccactt ggagcaaagc gactcaatca gttctaagaa catatgggac 360
 atcctcatct ggttattgga tgcac 385

<210> 34294
 <211> 428
 <212> DNA
 <213> Glycine max

<400> 34294

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 tcgattacca gtatgtttga acattggaat tcaaatttaa ttgtgaagag tcacatcctt 120
 tcacaaaaaa gctttgtgta atcgattaca ctgatttggc aatcaattac cagtgatagt 180
 ttctgaacaa aatcaaaaga tgtaactctt ccaatagttt tcaagttttt cttaaagtca 240
 taacttttcc aaatgggttt taagtttttc taaagggtat aactcttcta atggtctctt 300

gactagactt gaagagtcta taaaatcaag gctctgattt gcattttatt taaaaaatat 360
tcattcattc tttagacaac aaacttttgc caattgcttt ctgaatatct ttgaactcct 420
tcttcttc 428

<210> 34295
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34295

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actaagctca cctccttgag aagcttcctt aagaagattc cttaaagaagc tagagcttag 120
ctacacatac ctctctaata gctaagctca cctccttgag atgagaatct agaacttagc 180
tacacacccc caataatagc taagctcacc cccatgacaa aaaacatgaa aatacaaaaa 240
aaaaagtctt tactacaaag actactcaaa atgccccgaa atacaaggct aaaaccctat 300
actactagaa tggccaaaat acaaggccca acctaaggaa aaacctattc taatatttac 360
aaagataagc ggggtcatac ttagcccatg ggctcgaaat cta 403

<210> 34296
<211> 343
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34296

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aaccatttgc atagcacaac ttgtgaaact ttagcatcat ggataacaat caatatataa 120
atctaggtgt acctgaaata attgctactt tagaatacat anaatggccg tgcttaaaga 180
atcaatggat cgttgatcat gtaatatcta cctacaagaa agtggtttttt atttttatta 240
ttatacaatg gactaaacta ctataaatta atcgagataa tattgtagag tacgcaacga 300
attggatcta ttaaaacaaa tattcatgat tataaaaata gat 343

<210> 34297
<211> 363

<212> DNA
<213> Glycine max

<400> 34297

tagcttctat ggaggctgga tctttgagct tcaataaggt ccttcaatgg tgatttttagc 60
catggagttg tagcggagga taaaggagaa gaggtgagag gaggcgcat ccactagaga 120
ataagccatg aaaggagaag cttcatcacc aagagctcct tggataagaa gtttagaaag 180
gaagcttcaa tggaggaaga gaatgagaga aagagagaag ggggggcgtg gaaattgaag 240
gagaacacgg agaaaagttg aactttgaag tgtgtctcac aagtttctca ttcacaaag 300
ttatggcaag tgttacacat gtttctatct atagcctatc acatgggaaa cttccttgag 360
aag 363

<210> 34298
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34298

taagggttaaa ttagaccaac tatgggttgg tgctctcatt agcaagtttt gaagcaccca 60
gcagtggcag gatttttgac tcattgtggt taaataaccc ctcattatag tgcagtactt 120
gacctctgta tgctataatg cagttgctac accaaaccaa atacttttta tataatatgt 180
tcaaaactaa agtacttaaa taaaaactgg agaaacaatg ttgggcttgg ttggaaaagg 240
gtgaaagaga ggctgagggg caggaaaatg cagaggggtat agagacaaac aaagcatgaa 300
taggtgtttg gctgctggaa acttgagaga gcaaagtgtg gatgagaaac aagcatatgc 360
ggcttcacga tgcanaaaca aggggtgaagt agtggcaata tgctat 406

<210> 34299
<211> 283
<212> DNA
<213> Glycine max

<400> 34299

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gtcagatctg cggaaagtgc ctcttcatac tagaggcctc acggacgctc taaggactct 120

tccttacctc atatccaaac gctcaatctt tcaggcctaa acaccataaa atctattaca 180
 cacacaaaca actactacaa ttcattgctt cactatcttt aaacttttaa caagcaaadc 240
 taccataact attctcgata caactgcttt tatcataaca tat 283

• <210> 34300
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 34300
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 aggttggttc tagctcgggt cttgatgaaa cctattggat aatgcctaaa gaggcccaag 120
 tcgcactaaa ttgtgatgta agaattgtcc agtttggtta agttgtacgt tatggaggag 180
 ttattcacia tcatgcagtg agatttattt ttgggtttta gctcagtcaa gagaaggttt 240
 tgtctatat gggggatata agtctattct taatagcatc aaacttgctt tgaatataag 300
 gttctactca attcatattg actcatgctt agttgaggct attgaagcgc tacaggataa 360
 ttgagatcgt cttcgtactc attaccaact aattcaagag atccatttgg tgcattg 416

<210> 34301
 <211> 387
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34301

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 ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttggttgat gatgatttct 120
 ccagatttac ctgngtaaac tttatcagag agaaatcaga aacctttgaa gtattcaaag 180
 agttgagtct aagacttcaa agagagaaaag actgtgtcat caagagaatc aggagtgacc 240
 atggcagaga atttgaaaac agcagggtca ctgaattctg cacatctgaa ggcattcactc 300
 atgagttctc tgcagccatt acaccacaac agaattggat agttgagagg aaaaacagga 360
 ccttgcaaga ggctgctcgg gtcattg 387

<210> 34302
 <211> 392

<212> DNA
 <213> Glycine max

<400> 34302

tcaacattca atttcgagcg tctcgatata tgacgggttc taatcagaca tccgagtaaa 60
 aagttattgt cgtttgaatt ggctcagagc ttcaacattc aatttcgagg gtctcgatat 120
 attgcgggac tcaatcagac atccgagtaa aaagttattg tcgtttgaat tggctcggag 180
 cttcaacatt caatttcaag cgtctcgata tatgacggga ctcaatcaga catccgagta 240
 aaaagttatt gccgttggaa tggcttaaaa ggttaacaat taaatttgaa cgcctaaat 300
 atattacgga actcattcaa acttccgagt aaaacgttat tgctcgttga attgcctaag 360
 aggttcaaca ttcaatttcg agcgtctcga ta 392

<210> 34303
 <211> 350
 <212> DNA
 <213> Glycine max

<400> 34303

tgcttttgct agttggaatc atttacccta tctccgacag ccaatgggtg agtctcgtcc 60
 agatagtccc gaagaaaacc agcctcaccg tgatcaaaaa tgagaaagag gagttgattc 120
 ctactcgggt gcagaacagt tggagagttt gcacgcacta taggagactg aaccagggta 180
 ccaaaaagga ccattttccc ctgccattca ttgaccaaata gcttgaatgc cttggaggta 240
 aatctcacta ctgcttcctt gatgggtttt ctgggttatat gcaaatactc attgccccta 300
 acgatcagga aaaaaccaca ttacttgcc ctttcggcac ttttgcctat 350

<210> 34304
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34304

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 ccagtcagcg tgactcaaata gtcagtatga cagatcttgt gagcgcgga gatgacgtaa 120
 atctacgcgt gtcaacgggc ttgtcggccg tgattgacga agggagcaga agactacggt 180

agtctctgcg tgccatcaag cttttcgtct tacagacagc aaaaaataat ggttatacgg 240
 atcaccactc gagtatttcc gccagtcagc gtgactcana tgtgagtatg acagatcttg 300
 tgagcgcgga agatgacgta aatctccgcg tgccaacggg cttgtcggcc gagattgacg 360
 aagggcgcac aagacgacgt tagtctctgc gtgctatcag gctcttcgct ttacagac 418

<210> 34305
 <211> 320
 <212> DNA
 <213> Glycine max

<400> 34305

cgcttataaa gaaaaattat gacatgattt taaccaatc acattatggt gaaaagttat 60
 tgaagaagtc taattattct gatgtgaaac ttgtttctac ttcttataac tcattcatta 120
 agttaagaa aaacttgagt aacggaattt cttcacataa atattctcaa attattggct 180
 gcttgctgca ttgacaaac ttctctaagg ctgacattgc atatgcagtt gatagattag 240
 aaagtaattg agggatttag tgatgcacac tggatttcta attctaacta aacaaaatcg 300
 acaagcggtt atgtttttac 320

<210> 34306
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34306

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 cattcagtgat caagatgaac aaaggctctc tcaacttcag ggagttcttc gatccttatac 120
 tgcaatgatt ctccaattgc atgtgcttct ttcagtggaa gatcctccgg tagttctatg 180
 tccacctggt tatgtccaac atggatacga atttcaaatt agtttatatc aaattccctt 240
 taaatttggt aacatcaaatt gtgttttatg ttaatacata tcacatggag attgggttaaa 300
 gcacatgggc ctacatcaca taagaagttc cttctttatt gagaaaaaca tgttttaagt 360
 tcctaaaata ggataaatta ttatataatn tgcgaccaan attatatatt ccgaactagc 420
 tntacataat 430

<210> 34307
 <211> 374
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34307

agctttttatt cntctatatatt ctcttttcaact cttatcctcg atatatttat tcattctcct 60
 tattaccatt tttaaataaa tcatgatttt gttattgtcg caacctaccc tacgacggga 120
 cgacgaagga aaaatcgata agccaaagcg ttcgtctcca agggagaaaa cgagcggagt 180
 cgccaccaac gtttattcaa ggaaaatggt agaaaaatca aaaagaggta tgcaaatttt 240
 ggaaataagg gttcagaagt tgtttacgca tggggaaggc attaacaccc cagcgtccg 300
 tcacaaggga cgacaggctc taatcgagtg tgcataatgc aacttcagaa atatttactt 360
 ttccctcttt atat 374

<210> 34308
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34308

tatcctgcaa acatttataa tagaccccct cagcagctta accaacaaca gcagaataat 60
 tatgatcttt caagcaacag atacaatcca gggtggagaa atcatccaaa tctgagatag 120
 gcaagtcctc cacaacaaca acagcctgtc ccttttttcc agaatgctac tgggtccaagc 180
 aagccatattg ttctcctcc aatgtagcag cagcaacagc agcagtcaca acaaagacaa 240
 taagcaactg aggctcctcc tcaaccttcc ttagaagagt tagtgaggca aatgaccatc 300
 cagaatatgc aatttcagca agagacaaaa gcctccattc agagtctgac aaatcagatg 360
 gggcagatgg ctactcagtt gaaccaagct tagtccanaa attctgacaa atggccttca 420
 caaact 426

<210> 34309
 <211> 359
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

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 ttgtcaagtt tttcacaaat tgaccaatTT tatattaatt acttcaaaaa tgatatttat 300
 gacaatttat aattaaatat tattagttaa aatattctac ttagtgtatc gaaattaaaa 360
 ttttaaataa ttgatatata ttgcgtataa ttattttn 398

<210> 34312
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 34312
 tgaatgaatg taagacacat cttcttcaac ctttgtgatt cttgactcca tttcattgaa 60
 gcgcatatcc acttgtaatt ccaaattgtc aaacctctca ccaacaaagg tttgaagacc 120
 atcaaacctg tccaaaatct ttgaaaggag agatgaatct tctccatcat gtccttctac 180
 accaacaatg cgaccacctt tcttcaccta agagccatca tgctcctttt gataacccaa 240
 agatgctatg actgaagcgc ctataaggaa agatctcttg attggaacat aagggtcaca 300
 atcaagaggg atgttgaagt gttgaaggaa aagggttaaca agatgagggg aaggcaatgg 360
 agcattcaat cgcaatgcct tatgcatgcg atatctaaca agatgtgccc aatcaattcg 420
 taaaccttta tg 432

<210> 34313
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 34313
 ttttccaact atagctcaat tatatttaat agttacatat aaccgttttg cgcgttgtaa 60
 aaaagtaatt tttttagtag tagtaatagt cattcactct ataagtccaa caaaataaat 120
 actttccttg tgtccatagc gctgcctatt aagtatacca ttcattgaaac ttacaaatac 180
 ttttactata atataactat attaaaatat taacttgcac taatatatat taaatataaa 240
 cataatatta atatatatat atatatatat atatatatat atatatatat 300
 atattaacgt cgatgtatat caacatgata tattaaaata ttaatataga tctacattaa 360
 tatacatata tcacaatatg aacgcataag tacg 394

<210> 34314
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 34314

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 .aaaaccctcg gggtatgtta tgtacacatc cttaagaaga ttctattaa ggaatgtagt 120
 cttgacatcc atctacaaga cctagtcatg gtacacaaca acaacaaaaa gaatccaaag 180
 aaatttaagc atcgcaaag gtgagaaggt ttcacatag tctataccat gaacttgctt 240
 gaaacctttt gccactagtc gtgccttata ggcattcacc tttaccatcc atgttagttt 300
 tcttcttaaa gaccacttac accttatgag gttttacccc ttaatgtgaa tcaaccaacg 360
 tccaaacttg gttaatgtat atggactcca tctcagatcc cacaacctta agtcacttct 420
 catatccagg cg 432

<210> 34315
 <211> 403
 <212> DNA
 <213> Glycine max

<400> 34315

ttttatgcct tggatcttct tcatcaatgg agtcctttgc ttcttgaaga tcaatggcag 60
 cagaatggag aatgaggaaa gatgattgga gacgccactt caaggagaag atgagtcaag 120
 aacaacctca ccaccatagc aagccatgga taagagctta taggtaggaa aagatgagtg 180
 gaaggagagg gagagaaggg gcacgaaatt ttgtgcctca aatgaggtct taactttgaa 240
 gtgtaattct caaatgatca aagttgaaaa aatgcacaca cgtgacctta tttatagcat 300
 aagtgtcaca caaaattgga gggaaatttg aatttctatt caaatttcac ttgaatttga 360
 aattgaattc gtggaaccaa attttggagc caaaatttca ctg 403

<210> 34316
 <211> 428
 <212> DNA
 <213> Glycine max

<400> 34316

acggngaagg gacgcactgn gacacgatgg tagccctcac ctgcg 405

<210> 34321
 <211> 343
 <212> DNA
 <213> Glycine max

<400> 34321

ctccatttca tcgaagcgca tggccgctag taacacccaaa tcgtcaaacc tctcaccaac 60
 aaaggctaga agaccatcaa acctgcccac cacctttgaa aggagagatg aatcttcacc 120
 atcatgatct tctacaccaa catgtcgacc acctttcttc acctaagagc catcatgctc 180
 cttttgataa ccaaaagatg ctatgactga agcgccctata acgaaagatc tcttgattgg 240
 aacataaggt ccacaatcaa gagggatggt gaagtgttga aggaaaaggg taacaagacg 300
 agggttaaggc aacgggagcat tcaatcgcaa tgccttatgc atg 343

<210> 34322
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34322

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 aacaattttt atactagtctt actctctatc tctagagaag ctacttcagt tatctaattc 120
 aatatgaatc ggatttttcac catgcacata gaattcttac aaacaatcac aatcaatctc 180
 agttcttccc tagaaaaaag gactaaggta cccaacccta gggtccttg tgaatacgag 240
 cctaagagac acctaccctt atcceaact agaaaatcct attctagcat atatgccttc 300
 aaaaattcat gcatatgcta acaacatgta aaacacatga aaaaatgagt cagagagata 360
 cacaacctga tcattcacat gcaagaacct tttcttgttt n 401

<210> 34323
 <211> 427
 <212> DNA
 <213> Glycine max

<400> 34323

cttaaagagg tccacgaaag ataaagcggc cgtttgaacc agttccgctc ccgagtatga 60

atctactttc caaacactta agaggcaacc cacttgaatc ccttgaagat tgtcttgag 480
 gtaaataatg cagagtgtct ttccaaagat tgaatgaact agaaggagat agcatatcct 540
 tgatcttgct cacttagata tctgctcaat gg 572

<210> 34328
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34328

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 tggatatctga ggatcactta aaattagtga gaaaaattgt ttccgtgaag aaaatccaaa 120
 ctgaggcgct tctgtaatgc ttccaagacg attccgtggg cgatttcgca aagggttttc 180
 gccattcttc atcattcttc gttcgtctct cagtcttcaa cgggtaagtt cccgaaatca 240
 aacttttcaa ttcattctat gtacccttag tggctctcat ttgtttcgca tgcttttatt 300
 tttatttcat ttactttccg taccctctt tgacgtgctn tagtaattta tttaagtcac 360
 tttctcgcat cctcaaaact agaatgaatt tccaccg 397

<210> 34329
 <211> 488
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34329

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 gtaggctgtt caattgcttc agattgttgc ccagaatggc aaaggctctgt gtgggtggtcg 120
 gcagaggagc ataaaccaca aagtctggcg atagggtgcag attttttatt cattgccagt 180
 tggattacca ggttaaccaa ggcacttagt ttaccttcaa gcttcttagt ctacttgat 240
 gaaatgaatt cgtggctact tcatgcactc ctctaagac aatagcatca tttctggcac 300
 tgaattgctg ggagttggaa gccatcttct caattaaatt tctagcttca gcaggggtta 360
 tgtctccaag ggctccacca ctggcagcat ctatcatact tctctccatg ttgctgagtc 420
 cttcataaaa atattggagg agaagctgct ctgaaatctg gtgggtgagg caactagcac 480

ataatttn

488

<210> 34330
<211> 386
<212> DNA
<213> Glycine max

<400> 34330

tgcaaacttt gtgaactata tatttcaaga caaatagaat tggagctcaa aagacaatgg 60
cacttgagac ttatgctacg tatgaaagat tgaagtatat catggtattt tttaaaattg 120
tttacattag tataaatata tttttcctat taaatcaata ttaaaatatt gttacttttt 180
tttatttgta ggattcaaag ataagtattg aggctcacag taattcatag agattgtttg 240
actaactgaa ctagacctca taagtgatat atatatatat atatatatat atatatatct 300
atatatatct atatgtatat atatatatat atatatatgt atataatcat atcttgtctt 360
tagttgacaa cacccttgca tgatag 386

<210> 34331
<211> 443
<212> DNA
<213> Glycine max

<400> 34331

ttaagcttgc aacggtatga aataataaca cacacaggag ttaatattct catttatgtg 60
ttaaaaaaac tatgagtagt agataaaaat aaaatgtat gttgttattc aagaaaaaga 120
aaagctaagt gtggaaaggc tagtaacaga gctggagtaa aaagaaaaag gttaatctat 180
ggatgaatgc tctcctataa cttacgtttg cagcctacaa aaaccatgat ttgtttgcag 240
cctagcctca ttacaagcct agtcaaagtc cttcggattc aagtttgtgt gttcttgact 300
gtatggtatg agatgaagtg cacagattga gacttatgtt ggttggtgac tgatggatag 360
cctatacact actgcttgag tgaaataata gctgtgaggc tttggttaat aatcctgtct 420
tgatatctat cattcctact aac 443

<210> 34332
<211> 384
<212> DNA
<213> Glycine max

acaagtggta cctcgacacc ggcgcaagca accacatgtg

220

<210> 34335
<211> 436
<212> DNA
<213> Glycine max

<400> 34335

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aactataagt agtaataaaa aataaaaatg tatgttggtta ttcaagaaaa agaaaagcta 120
agtgtggaaa ggcaagtaac agagctggag taaaaagaaa aagggttaatc tatggatgaa 180
tgctctccta taacttaagt ttgcagccta aaaaaacat gatttgtttg cagcctagcc 240
tcattacaag cctagtaaaa gtccttcgga ttcaagtttg tgtgttccttg actgtatggt 300
atgagatgaa gtgcaaagat tgagacttat gttggttggt gactgatgga tagcctaaac 360
actagtgctt gagtgaaata ctagctgtga ggctttgggt aataatcctt ccttgatata 420
tatcattcct actaac 436

<210> 34336
<211> 212
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34336

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ttgtacatgt ttgattattc ttgctgatat ctgatactct actntattgc catgtattcg 120
catcatctag aaccataatc tacctcttgg ttgactcac catttgtgtc tacctagctc 180
ttgtattaag atggcaacca tacgaaagtt tc 212

<210> 34337
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34337

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ttgaagttgc agaccaaatt tcgagaagat ccaacagtta acaaaggctg ggcagcgttt 120
 ttaccgagac agcttcatgt agttttctct agaagcttca ttaagaggct tcttccaaaa 180
 gcttcattaa gaggcttcta gaacactcca gacatcttct caaagatccc aacggtcaga 240
 tcatggaaaa atatcttgtg aagttgcaga ccaaatttgg aaaagatcca acgggttaacg 300
 aacactgggc atcgttttta ccgaggcagc tacatgtagc tntctctaga agcttcatta 360
 agaggcttcc tccagaagct tctcgtggc ttctttgaga agctttctcg agagggttcc 420
 ttgagaagct agan 434

<210> 34338
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34338

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 ccacaacaat ctacttagtc caaaagaaat tcataatact ggggcatcta gttcgtctaa 120
 actttggcat caaagactag gccatcctaa caaggatgca ctagcaattg tactaaataa 180
 atgtaatata ccctttatca ataaaactag cagcgatttt tgtaattctt gctctatagc 240
 caaatctcac aaactaccct cttatccctc ttctactgta tatactgcac ctcttgaatt 300
 agtattcttt gatgtttggg ggccctcttt agatagtcac cttgtggatt cttgtatctc 360
 ctaacttggtg ttgatgccta ttccatattc acctggattt atctgcttaa tcataaatct 420
 gaccgttctn 430

<210> 34339
 <211> 164
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34339

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 cgcatagtta agccagcccc gacacccgcc aacacccgct gacgcgaacc ccttgcggn 120
 gcatctaatt aacttcgata atgatgctat acaagtttat cgtg 164

[illegible]

ttttctcggc	gttggggaga	ttcatatata	cggtcgaacc	tgaccgggtg	tctctgctc	60
gcatcctctt	tccagggata	ttagggagag	aaccgtgtta	ctcttattac	agctcacctg	120
atgtagaatg	ttgcacaacg	gtgagctgga	acaaccaaac	tggttcccaa	agaccogaat	180
aatctgttat	ctgtcttatt	attaaagaaa	acatgcacac	gcgctaaag	cgcttacttg	240
tataggtgcc	ttgattcccc	tgaatttggc	tccatctaata	ggagtataaa	tatgcgcta	300
aaattatgct	gttatctgaa	cttagattta	acattatttc	tttctttaag	gcgttagcta	360
taagtatatc	gctaagatta	ttcccttttg	tttgccccg			399

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<223>      unsure at all n locations
<400>      34341
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<210>	34342
<211>	374
<212>	DNA

<213> Glycine max

<400> 34342

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tgtacaacct tgacatgctt tgtgttcata aaggagttct gcctcaattg gttagatggc 120
atgggttgctt gtaattttct gtctgcatat gaaggaagtt tgagttatat gctttattgt 180
ccaataaaa tggctgtcat tgctagtaat taagatgctt catggtagta tagattggta 240
ctatattgtc tcccacatac aaatatttaa tctgagaagt acgttgtggg tagatgctag 300
tgtatacaaa agtcagttcc gagctctggg attttctttg ttcttgcgac tgttacctat 360
ctgtgtaata ctag 374

<210> 34343

<211> 354

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34343

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actacgggaa acaatcggac atccgagtaa aaaggttttg ctgcttgaat tttctaagag 120
gttatgattt caattctgag cgtctcgata tattacgaga ctcaatcacg catccgagta 180
aaaagttatt gtcgtagat ttttcttaca gcttctatatt ccgattatga gcgtctcgat 240
atattacgag attcattcgg acatccgagt aaaaagctat tgctgctcga ttctgctcaa 300
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<210> 34344

<211> 430

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34344

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tactcagatg tccgattgtg tcccacagta tatcgaggcg ctcgaaattt ataacaaaag 180

ctctgagcaa aatcaaacga caataacatc ttactcgaat gtctgattgc gtcccatagt 240
 atatcgagat gctcgaaatt taaaacagaa gctctgagca aatcaaacg acaataactt 300
 ttactctga tgtccgaatg agtcctgtaa tatatcgaga cgttggaaat tcaaaacaga 360
 agctctgagc taaatcaaac gacaataact ttttactcga atgttcgatt gtgtcccgta 420
 aataacgaag 430

<210> 34345
 <211> 315
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34345

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 cggtacctgg agatatgtcg cgggggtcag gagacctcgg ggacgtcagg tggggtgcta 120
 ttgccccaaa ccaagcttga ccaatccnga cccaaccggg gcatagtcgg tcaactgagaa 180
 cctgtgatgt acctaagcac gcgagctcct ggcagtcaac agatacaacg aacaaagacc 240
 acacagcaag gaggcttgtg gtggctggcc acctgcgaaa cttgattgat atgtgagata 300
 tggctctctgg caatc 315

<210> 34346
 <211> 428
 <212> DNA
 <213> Glycine max
 <400> 34346

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 acctggagat atgtcgcggg ggtcaggaca ccttggggac gtcaggtggg gtgctattgc 120
 ccaaaaccaa gcttgaccaa tcccgaacca acccgggcat agtcggtcag tgagaacctg 180
 tgatgtacct aagcaggcga tctcctggca gtcaacacat aaaaggaaaa caagaccaca 240
 aagcaaggag gcttgtggtg gctggccagc tgtgaatttt gtgtaatatg tggatggcgg 300
 cctctggtaa tcgattacaa ggcttaaaat tgaggacagg aggctaagat ggtctctggt 360
 aatcgattac caaggggtgt aatcgattac caggcttgaa aacgaagcca cgaaacttac 420
 ggagcctc 428

<210> 34347
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 34347

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 agtccctttc gcattcagat cctgagagtt tttctaattc ttgtggcggt gcgtttaaca 180
 accgcggtgg tggctggtag cactgcaccc gcggaagaag ccgggggtcgt ggttggcctg 240
 ctaactctca cgtgcaagtc tgctgaagt atggtcacac tacctcactc ctgtattatc 300
 gacacgagca acattatcaa ccacacccaa ctctcgtcgc tcaggatcta ctactatgcg 360

<210> 34348
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 34348

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 aagtgcagat cagttcacac ccacaagaga agaacaaggt acgcaggttc ttctgccaga 180
 atttactatg catcaacatc atctctgagt agcaaaagcc accgttgtaa tgcggaggca 240
 cgtcacactt ctggcaatgg gagtgttcat gatgaatatg atgacattga tgatgatgag 300
 gatgacgatg atgacgagga ggacgacgag gatgtgtttg acccacatgg cttgtcttgt 360
 atccggagtt tgggtgttga cattgcttac aggccacttt catctcttac acaatcgcat 420
 cttttttaac ta 432

<210> 34349
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34349

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 attaatgcat agaagagAAC acttgataat gaacaataaa catagattaa taatcaaaat 180
 gtaaacatta cgatggggtc acttacatca accccaaaat gggtaaattct aactacataa 240
 ctaccagaag aaaagaagaa aatagatgaa agagatgatg aaaaatggca agagagagct 300
 tcncgctgc aacctacaac cctagatagt tctcctaacc aaatctttct tcaattcgca 360
 tccttggaac ttanatatgg ccaaacacac t 391

<210> 34350
 <211> 429
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34350

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 aatcatctat gtgtgggtgat tctctgggtc aagcttgatt cgtgatatgg tatcagagtt 180
 cttccattga agagctctgc tgcacaatca agagaagttt tcaaagcaat ttatcctttc 240
 ttcacctctg ttttgagttt tgtaacatct caattttcgt aaactagatt aaaaggaatt 300
 gttatttata aataaataga attctaaaaa taatgatgag attttataaa taaataaata 360
 acgagatata attattaatt aaaataataa ttcgagagaa aataaaaagg atattttatt 420
 catctgttt 429

<210> 34351
 <211> 405
 <212> DNA
 <213> Glycine max
 <400> 34351

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 ccctgagaag ctagagcata tctgcgcaca cgctctaatt gactaagctc gcctccttga 120
 gatgagaagc tggagggttaa ctagacacat cccctataat agctaagctc accccatgcc 180
 ttaacacaag aaagtactat aatgtcccta ctacaaagac tgctcaaat gccctgaaat 240

2025 11 16

<400> 34352

<210>	34353
<211>	419
<212>	DNA
<213>	Glycine max

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tacgtactc	ccacgtagcc	catctcctcg	tttctctcaa	caccgggtcc	ccatcaatcc	120
tctcaagctt	acacaacatc	caagcaaaac	aacgttcaaa	cagcacaagc	tatcacagcc	180
aagcaaaaca	gagcaaaggc	agaaaactct	gctcaacaca	tgaacaaaa	tcacagcttt	240
tctcacgtaa	agaccacagt	aacaattcct	tcgatccaat	tcgttaaccg	ttggatcgac	300
tccaaaattt	tactggaagt	ctatagtgtg	taagcctgca	ttttgaccgt	tgggatatac	360
tagcaaacat	acagaactca	ttctgcacta	gactntccac	agccaaccac	acacaagca	419

14308

<213> Glycine max

<223> unsure at all n locations

<400> 34354

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aatgcctctc atcgaaggac atggtcattc gacacaacaa aggcttctac tgttggaaaa 180
gagaacgtta tacgaattaa ttgagagaaa tagacgagag aatatctgaa agacgactag 240
cttttatgac ttgagaaatt tcttggtttg gctttctttc tttggctttc nttggttcac 300
ttacaaatga caatctttcc cccttttat 329

<210> 34355

<211> 437

<212> DNA

<213> Glycine max

<400> 34355

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caccctcta atagctaagc tcgcctcctt gagatgagaa gctagagggt aactatacac 180
atcccctata atagctaagc tcaccccatg ccaaataca agaaaataca aaaatgtccc 240
tactacaaag actgctcaaa atgccctgaa atacaaggct aaaaccatat actaatataa 300
tagccaaaat acaaggccca aaagaaggaa aaacctattg taatatattac aaagaagagt 360
ggaccaacc ttggcccatg ggctaataaaa tctaccctta ggttcatgag aaacctagag 420
ccttcttttag cagctct 437

<210> 34356

<211> 382

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34356

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gtaagctttc acgaagatcc gcaagaccat tattaattaa aaaagaaaac atattgagat 180
 tcttgatatg caaaattgat gggggcagtt cattcaaacc tgattgtact aaaaacaacg 240
 ctggaagaga ttgtggccaa gtgttgctgc taaggctctt aagcgatgag caccgctca 300
 catttaacat ctcaagcttc gggagagagc anatngattc atcaacataa cgcaagcttt 360
 cacaaccacg cataacttaca ta 382

<210> 34357
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 34357
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 tttctgacct ttactatgt gtggacacct taatgtgctt ctctttatcc tagataacag 180
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 acaagtgatg ttaccattag cttttcttcc ttatttttat ctctgatttt atcattttatc 300
 atgtaggatg atgttggttg ttttaagtac tatgccaagc ttgtacgaag attgctaatt 360
 gcagtttgtt tcctagaaaa cctgtggaat attgatttgg ttctttattc tatatcacgt 420
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<210> 34358
 <211> 312
 <212> DNA
 <213> Glycine max

<400> 34358
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 gcctgataca ttttctatga ctaggcctga tccattaatg agtcttctgc atgaacagga 120
 agcagtccea ccaatgaaat cacaactaga tgcttatctt gaggagaaca atacttatat 180
 ctctaataat gaaaactcca cttttagtgc cttggagtgg tggacgaata atagtctcaa 240
 atatcaagat tctatccaga tggcaagaga tatactagct gctctaattg caccagctgt 300
 atcacaatct ac 312

<210> 34359
 <211> 435
 <212> DNA
 <213> Glycine max

<400> 34359

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 tcgacaaaa ctatgttgct aggttttgat aaaccctaag ttaatattaa ttaataattt 120
 tgcgcttcaa aaaattagaa aagaaattcg gcgatccaaa atttctagat acgcatgcta 180
 atctgactaa agataagagt gtgttggtgca ttactatcag ttgaagacac caacactatg 240
 gagtaatgcy actttttgac ttgtgaaatt gctccgtaaa ttttattcat tctctccctt 300
 ttttgcggt atcacaatgg ataagagaca cacattaaaa ctctaaatt agagattcct 360
 ataaaattct caaccaagag aaaaattatc ctaaaaaaga aaataagtta tacttacaat 420
 gtaatacaat tagct 435

<210> 34360
 <211> 169
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34360

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 gccgcatatt aagccaagcc cgacacccgc caacacccgc tgacgcgaac cccttgcggn 120
 cggatnaata taacttcgta taagtgtgct cttcgaaatt attacgact 169

<210> 34361
 <211> 320
 <212> DNA
 <213> Glycine max

<400> 34361

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 attcgctaca gccttggtgt aacgctgcca cgagaccact ttacatagct gcaaaacaag 120
 aataaaatca tattgcatac tctctccaaa acagtaaaat gagtatgaac aaataatata 180
 ttattctgtt atctaatac aattgactgt gaatgatagc actcttagcc actataataa 240

ctactgtaaa aatcatacca aacatgattt cttatttgtc gacaatataa atcctctcac 300
taattaaact cactagcacc 320

<210> 34362
<211> 373
<212> DNA
<213> Glycine max
<400> 34362

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gttttgaatg taaaaaggca tgaatattat gacatgtttg agagggtttt attagaattt 180
aaatttggtt gccccatgag gaataccttg cacctaggta ccatggaaaa tacctttcaa 240
cggtatgtat atatgcaat atatggcata aaaatacctt gcaaagtgtg aatataatgc 300
ataaaaatac cttgcacagt gtgaatgtat agcagataat gcatttcaaa atctgtatat 360
gtaggatatg tag 373

<210> 34363
<211> 357
<212> DNA
<213> Glycine max
<400> 34363

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taggagattt gtattcacga atcctatggt agctatgctg acccaatgcc caagtatcag 180
aatcaacatt catgtcccta ctactaagac tgctcagaat gccctgacat acaaggcttt 240
aaccatatac tactataata gcgcaaatac tgggcccttc tcaaggacct tcctactgtg 300
atatttacat agatgagtgg accctacctt ggcccatggg ctgattacca taccctt 357

<210> 34364
<211> 217
<212> DNA
<213> Glycine max
<223> unsure at all n locations

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 caatcctcga tcttcaaagg caatatttca tatgtcaa at tctccttcac ttgtacatca 420
 tccaattcaa tca 433

<210> 34370
 <211> 319
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34370

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 acgtgagtat ctagcaccag cttctatgag aacttctnca acaaacagtg gtcttcttct 120
 tgcaactact gctcttctc ctgcgaatga cagcaccatg gaagagttgc aacgcgggca 180
 ttccagctgc aattgctcac tgcaaaaatt ctattctcaa acaagagaag ctcagctgct 240
 gatacaaacc tggcacactt ttttttttct ttgttaccac ctgcgcctct tattgccata 300
 ccctctcat tttatctcc 319

<210> 34371
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34371

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 ctacaatgag ttctttggat ttttgtttta gaatattagg atttaaaacc aactaattaa 180
 ataacaatca taggtttcat ttacaattta tatatgtaaa caaattaatt attagatcaa 240
 aattaattgt cataaaattt attatataaa ttcagatgta ctttgaatat acataagaca 300
 ttgtagtctt atatatagcg acattaatta ttttataaca taattagcat attagttcgg 360
 ttgattagag cgaatgcaaa agtcacaggt tcgattcctg cattacccat taattctaga 420
 ttcacttatg a 431

<210> 34372

Figure 1. Schematic representation of the experimental design. The subjects were divided into two groups: the control group (CG) and the experimental group (EG). The CG was divided into two subgroups: the control group (CG) and the control group (CG). The EG was divided into two subgroups: the experimental group (EG) and the experimental group (EG). The subjects were divided into two groups: the control group (CG) and the experimental group (EG). The CG was divided into two subgroups: the control group (CG) and the control group (CG). The EG was divided into two subgroups: the experimental group (EG) and the experimental group (EG).

tgtgcctcta	gtagtaaggt	gattgcttct	ttatttggtg	ttaaaaaat	aatgaagagg	60
agcaacacaa	taatgagccc	atgatacata	atgaacctat	tatggaagaa	ccacaagaag	120
taacattaag	gaggtctcaa	agagaaaagga	gaccagctat	ttcgaatgac	tatgtggtat	180
acctatataa	aacaaaaaca	aacttaagca	ttaatgataa	taatctagtt	tcattttcac	240
aagctataag	atgtgataat	tgtgagaagt	ggttaaatgt	catgaaagaa	aagataaatt	300
ccataaaata	taatgggtgtt	taggaccttg	tagaattgcc	aaagggttgt	agagatttgg	360
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<400> 34376

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atcacaaaaa	tatttgtgtac	ttcactactt	tatatgggtca	tatttatctt	aattgaactt	180
taattttcttt	ctatcctata	cacattggat	atgttcaatc	ataatttaca	ttatgccttc	240
ttcacattca	gcataataga	tgcaataaac	aggagtgata	tttgatgaaa	taaactcatt	300
gccctaataga	ttaacgaaat	gtgtacattt	gatgccaaaga	tgtatacatc	tacggatatt	360
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<400>	34377
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14317

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attgcaagag aaactttcca tattattccc aacatgcata agtggttctca caagctctaa 300
acctcaaacc acatgtcata acattacaaa ataaaagatg aacagtaa ataccacaat 360
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tattgatgac tatg 434

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<211> 194
<212> DNA
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<400> 34378

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aatcacaaaa atcaatcgga cattcttctt tgaaacgttc cttgaatgaa ttgactaata 180
accaaagtga aact 194

<210> 34379
<211> 438
<212> DNA
<213> Glycine max

<400> 34379

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ggagaaagca aaaagaaaag aaaggaaatt cccaatcaaa gaatgggaga aagaaaaaag 180
agaaggagaa gaaggaaaga aagctcctga tcaaggatcg aaagaaaaca gaagaaatgt 240
gcagagaggt ctctggacca gacaatatct gaacaaatac ggaattgtca ccaaatgaac 300
aaaagaaaga taaggaaacc ataacctaaa agtgggtctc tccctttgat taccaaccaa 360
aatcctgtgc gtcggtgact tgttcgcctc gcgtcaaaca aaaacagata aagaaaaagc 420
caacataaaa tcaaaagc 438

<210> 34380

<211> 406
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34380

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 tatgatgatg gatggctcac attctcacia aggtaaactc atcactttca aattgagctt 180
 tcaaaactat catgacatga agaggagaat caaggatttc aagtcacaaa atgtcaagaa 240
 cttttatttt caaaacaatt acccatttct tgaacatata ctataattca aagaaaaaca 300
 tgcaaagtcg tacatgcaca cagaattgac cctcaatatt aaactagaaa tccgacgaaa 360
 ctaacaacag taacaaatta acacaactaa catattatca aaacnn 406

<210> 34381
 <211> 434
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34381

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 tctctattta gttcttaacc ctctcatgca acttctttac aaactcttac ctagattccc 180
 cttctttatg tataaaaaaa gtgtccagtg gaagggaat gaggtctaac ggcgttaggg 240
 gatggaacct atagacaacc tcaaaagggg attgcttggg ggttctatga acccccctgt 300
 tgtatgaaaa ttctacatga ggaagatcct catcccaaga cttatggttg cttttcagaa 360
 gagcccttan aagggtggat aaagacctat tcaactacct tgtttgccca tcagtttgtg 420
 gatgacaagt ggta 434

<210> 34382
 <211> 309
 <212> DNA
 <213> Glycine max

 <400> 34382

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agaaatgctc gttgcn 376

<210> 34385
<211> 428
<212> DNA
<213> Glycine max

<400> 34385

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gtgaacaaac attattaact caaatgaacc agggaagtga ttgcctaatt cttagactaa 180
ctaccttcaa tgtacttgaa caaatgatt tccaaacaca tgaccgaaac atatcatgcg 240
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tagggacaac gatacaagga ttacgttata ccatgatgca atgacatata tcatctccat 360
tatatccatc cacttgttca cactaacctg aatcaagcaa acatacacat ctaagttatt 420
taaacttt 428

<210> 34386
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34386

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gtatttcaag ttgaatggat tatagtcttg tcaaaatttg gatgtgctaa ttacatgtgg 180
tgcttgagtc taaacacaaa cctatacgca tttggtaagg ctaagtgttt ttctttgaga 240
gatttctatc accatgatac attcttaatt ttgacttgac tacttgtcca ctttgcatth 300
tgtgatcatg tgttcatgga ttgcttggtta ccttgaaacc attcttccat tttccatctc 360
tctaatttnt gtgcattggt aggatccatt gaacaatg 398

<210> 34387

<211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34387

tatggattcc aatattaccc caaaagagag catgtttctt anaagttact ttaagggatg 60
 tcccactaga agctttcaag gctatgctta actttttata tgatgggcaa ttgaatgaca 120
 aagtaataga ttctggtgct ttgttgctcc aactccttct aagttttctca gctgtgatat 180
 gacctgctag aatagacatt cctccaaata gcacagcgat aacctatgag atttaatggt 240
 tcaataaaaa cacaagtcaa tattaaagtt ttaattaaac ttcaaaaaat ttatcgatta 300
 caaatcctag cagactttct tccaagagta aaattatagg cttaaaggag aaaaaaatg 360
 gaaataaata aattaataaa aaaattgata attacgtgat ttaagagacc cgtagctaac 420
 ctgagttgaa tg 432

<210> 34388
 <211> 383
 <212> DNA
 <213> Glycine max
 <400> 34388

ccttcgacct aacacgggca tgtttctgtc taagcccgga ttcaaggcgg gttgcagcac 60
 cggctccgct tccctaactg tactagaggc ggatgccgtg gctttatcct ctatggctat 120
 ctggagtttt agcatgacct ccgaaatgga agccatttga tctttcaagg ccgatagatc 180
 ggtcttcac tgttctgca cgcctcttc attatacatt tttttggatc gagtgttata 240
 ggggcgcctt ggcgttatcg tatttatgat gaaactccta aagatatgaa cgacggtgag 300
 catgcctccg aaacatgagt atgagaatgg atgatcggcg ctcttgata caccccaacg 360
 tttgtacata acgagaagag tct 383

<210> 34389
 <211> 350
 <212> DNA
 <213> Glycine max
 <400> 34389

ctgtatctca aaaacgttca actaagatgt ataaatgtta tttacggact ctctgcatga 60

catgtgagag tgccagatga tgttgtgctt tatgagcatg atactcactc ctatctctga 120
atctatgggtc cagctcctac cacattcgat cttgtgatct gcattataca ttacatattg 180
agagatatct taattagata tacatgatag ttgcatgatg tgccaagaaa agagagaatc 240
atggaagttg tgacttacat gccattatct gataaggttg attatctctg accatctgac 300
tgccaatgat aacgatgggt gatctgacca tttaaaatca attattggtg 350

<210> 34390
<211> 347
<212> DNA
<213> Glycine max

<400> 34390
agctttaact actttgtgat accaacacag actacactta tgtttaaatt aaaagccccc 60
tttgtctgac tattttgctt ctgaaaaaca aaaatctggc actcgattaa cacaatgctc 120
gtttgtcagc gcgaacactg gttgtttcta gacatggaat ctcaaacaag tcagcagatt 180
atcatttggc gacatgtgtc tcgctaacgt gtcaagttat tactctttac taggcactag 240
acagccagac ataaatattt tcaatttgct acttcaattc aatcacacaa tgccaacaaa 300
ccgcataaac aatgaaatcc gatcaccatc aacctacaaa cacaaca 347

<210> 34391
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34391

tctttcaagg gggacatgaa ctatgattgc acccttatat gtgcttataa tttttacatt 60
tcaactggaag agcaataaca atatgtatgt tcaactttcta gagcatctca atacaccatg 120
attaatgcac atttttagaa ctccccctc cccccctccc cttttttttt ctaaatttgt 180
gggtgtgaaa ttataaagca ttaatcaact tgtaattttt cattctatgc aatgatgatt 240
attatgtttt tatcaagagt ggacattcca acctccaatt tgtgttacta gtccataaat 300
ggtagaattg tttgaaaatc ataccaataa ttttctcaaa cgaaggcatt gtgttggtacc 360
aattagagat ttgttctgga tgtttagaat gattacgatt atangatgag ataccattg 420

gattatcaaa

430

<210> 34392
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34392

agcttgctgc gtgcacaaga gaaacaagaa gaagaagatc acagaagaac gaagaaggtc 60
gcggatcaag aagaacgagc acggaagaag atgaaaagct tgggtgcaaa actttaaaaa 120
aaaatatgca ggggtatttt ttacttttac ccttaagtgc tgggtgcacc agcaataatg 180
cttgggtgcac ctaagcagcc ccctttatta aacctctaaa gttagttagc cacgtgcaac 240
acgcgagatt cacgatttct atctttgacg tacgtacacg tagtcgccta gtatcctaca 300
ttgttggtgcc gcgcaacata atttacaaaa taataatana atcttacaac gtaattcttt 360
tctgatgctc ttacacatat atattgcata c 391

<210> 34393
<211> 432
<212> DNA
<213> Glycine max

<400> 34393

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cctttccttg ttttgaagct cactacaagc cttaagtga aaacatgat atcaccatat 120
ccttaaggaa ttttgagct ttggaattgt tttggaata agtgtggggg gtttttgttt 180
cattggacaa cttgttttgt tggctatgct tcatgatgta ttttgggcca tacttgatgt 240
acattgtata ttggttaa at gttggacatg ctgaatgaaa tgttgtttct caaaggctat 300
aaaaaaaaca agaataaaaa aaaattattc gaaaaataaa aaatcgaaaa aagaaaaaga 360
acagcaataa agttgagtga ataagatctt aaatggcaca agaatgatga aactcttggt 420
tctactcttc at 432

<210> 34394
<211> 389
<212> DNA
<213> Glycine max

<400> 34394

agcttttcttt tgtaatagcc ccaacaataa gatttgggaag ttgatactct accctgtgta 60

caccacacgt actgatacta agcaataata ttttgttgaa ataggtagct caaaatttaa 120

tagctaatta gtggattcat ttaaaaatag tgtcagaaag attaaggata ttccaaaaat 180

attgccccagg aagaacaact tctgatatct ataagtatta agtagtctca aaacacaaat 240

ggcaggaaaa aaatgaggaa agactagagg ctctctttga caaaagttgc aaagtatttg 300

gtggcatacc ttgagaatag ccgcaatatc tcacaatgta atttagaagc tgagtaagca 360

tacactctaa cacttgtttc cacaaccac 389

<210> 34395

<211> 396

<212> DNA

<213> Glycine max

<400> 34395

tgcccttctg atccgaagag gctgaccctt gcggagcccg tcgagagcga aattgacctc 60

gtcaacgtgc tccatcatct ctccgaactc ctgcgcctcc atcagcgtcg acgtcgccgg 120

aatccctcc gccggcgccc gtttcgccct cttcgactcc cttgctccgc ctgcgccggt 180

gccgtttccg aagtcgccga tctccgaatc gaagaaggac caatgctgcg aggacgagtc 240

ctgtgaggag aacgcgaagc cgcagagagg gtcgtcaatc tcctgagata aggaatccct 300

gaatggctcc gaaacgtcgt cgtttagaga ggacgagccc gaatacgttc ccgagagggg 360

tcctttgcgg cggccgtatg tgcggacgat catctt 396

<210> 34396

<211> 341

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34396

tagcttctag tttgtggtca tgtaacacta aggctttgga tttattttcc ctatttaaaa 60

ccaactcagt gtttccaaaa gatgcttttt tatcaaatta tgcacacatc tgagcccat 120

aaggcattcg gaaaaatttt cacagcattc acccttcagg tgtacacata tttttttctt 180

ttttttcaaa aaccttttgt gttttgatcg gcggaacctt ttttcaaaga aaaactggca 240
gtcacttctt tccaaaagcg tcttggtttt gtagaagcaa agcttcatgg cgaatcanag 300
gtgttntgat gataacaatg atgataacac aagatgatga c 341

<210> 34397
<211> 295
<212> DNA
<213> Glycine max

<400> 34397

tattttccat tcttagaggc ttttacacat gaggtatgac tcaactgcat gtacttacac 60
tagctatgtc tgctaaattc gactccaaat tccaacaaac tccatgcaga atacgcaact 120
cttttattga atgataatat taggattatt aataatttaa acataatatt gctctctttt 180
ttatcaatag ttttaaaact attacaaacg aatgaacaca aatatttgaa ttaataaatt 240
aatatttact actatatttt aaattaatgt attgggcaat gatatttgaa tgatg 295

<210> 34398
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34398

agcttatccc aagaggggat ggaccttttt gatgcaatcc tatgccgcaa gggcattgga 60
tagaagaccc caagtagaat gggccacaga tgcaagagaa ggccctatgg ttcttatgag 120
ccttanggta gattctgggc ccatgggcta agtacgagcc cacttatctt tgtaaattatt 180
agattaaggt ttcattattt ttgggccttg catttacggc tccataatgt acgtagggta 240
ccctagaaat atangatttt tcagcccttg tattttacgg cacctagact agtttttgta 300
ttacgggtag ttttgtaatc tcacatgcac taagtggata tttgatgtgt gcggctggaa 360
ataaacttaa ttgaa 375

<210> 34399
<211> 428
<212> DNA
<213> Glycine max

<400> 34399

<211> 397
 <212> DNA
 <213> Glycine max

 <400> 34402

 gcatttagaa atgtagtca gtagacaaat tgattgagaa agaaaagctt gaaccataac 60
 tcggtgagag tgtgaactca attattgaga gaacgaactag catagagcaa tgacttttgt 120
 ttcaatctct gaattttaga atgaaatgca taaatatgga tatgatgaag gccattattg 180
 ttttgaaagc cacttgacca aaaagcttac ctgtttataa atgataatat catttgcacc 240
 cttctgtgaa ttgaattgta atgggtcaa atgaaacctaa gctttgaaat tgttatctct 300
 atttaccttg cttaggattt aattgggtta agacaacttt gccccacatt tgggggagtt 360
 tgtttgatgg ataatttaaa aggtaagaaa caacacg 397

<210> 34403
 <211> 482
 <212> DNA
 <213> Glycine max

 <400> 34403

 cgcgcgccca atgagcctcg tattacgtca cactatataa tactcaagct cgtgtcaaca 60
 aataggacac cttctataaa tctaggattc atgcacgggt aaacctttgt agttgttcta 120
 cgttaccgtc atagtgattt atttgtgata aatgggtgagc caaccaactt aatttaacca 180
 tactgtcttg aagttcacct tcctgtggtc tgactcccaa caattcttca cataaatcaa 240
 cccaatcaag atttgttggg ccaattaatg gtgccccatc aacacgcaga cctaataata 300
 cagagacatc ttaaagagta atcgatcatt ctccgcactc catgtgaaat gtatgtgttt 360
 cgggccttca tctgtcaatc aaggcagtca ttaatgacgc atttattctt aggtatgtca 420
 tcttcattat ccaataaaaa ctagattgcc gaagtagagg aataatctcc tctagtattt 480
 cg 482

<210> 34404
 <211> 393
 <212> DNA
 <213> Glycine max

 <400> 34404

tacaccatga tatcgccata tccttactga attctggagc tttggacttg gcttgggaat 60
aagcgtgggg gatttagtgt tcttggagca catgttttga tgggcgtgct tcatgataga 120
ttatgagcca tccttgatgt aactgcgta tgggccaat gtgggacatg ctaaataatca 180
tggtgtttat catatgctac tgcttataga gctacagaat cggcgagcat actgatgagc 240
cgtgaggtgg agtgaataac atcttaagt accacacatg gaggagactg ttgagtctac 300
tctgtatgat caaacactat ctttacttct ttatattgtc ctatcgttac gtactatgca 360
ctcatgcac attagctctc tattcgttcg agc 393

<210> 34405
<211> 428
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34405

tcgacgcttg gtaagggata tacgtccttg tagatgtctt gntgatgtcg gagtagtcag 60
agcacatacg tcatttgcca ttggcctttt ttaccatgac aatgttggcc aaccaattcg 120
aatatctgac ctttctgata aattgggcct tgagtaactt gtcaacctcc tttctgacca 180
ccttttggtg ctcttctccc atctntcttg gcttctatga tactagttaa gccttggggg 240
tgatgaccaa ttcattggcat atgatgctag ggtggatacc aagcatgtca aatgggttgc 300
aagctaagtg cactatctag gtttatgtcc aagttctaac ttgacaagtt cttegatcgg 360
tttcagacct ttgtgaaaaa tgcacatcca cggatctaca tcgaatacac catcttgata 420
tatectan 428

<210> 34406
<211> 397
<212> DNA
<213> Glycine max
<400> 34406

ctttgttctt ttataaaat gagaagtttt gaactcatca tgttatctaa aaaccttggg 60
gtggatccaa gtgctccgat catccatttg catactcatg ttttggtggc atactcaccg 120
ttgcttattt ctttaggaat ttcatactaa ctaagaaaac atcaaggcac ccctataaca 180
ctcgatccag aaaaatggat aatgaagagg gcgtgcagga acagatgaag gccgatctat 240

cggctttaa agatcaa atg gcttccatct cggaggtcat gttaaaactc tagaaaacca 300
tagaggataa agccacggca accgcctcca gtatgggttag ggaagcggag ccggtgctgc 360
aaccgcgttt aaatccgggc cgagacagat acacggg 397

<210> 34407
<211> 429
<212> DNA
<213> Glycine max

<400> 34407

acaaatctgt tttaa atcca agcccataag taatatctaa tcaa atctag ataagataag 60
ataagataag atctagatga aataatctct agataagata agatataatt ttgtagaata 120
aattagtctg ccctcttcaa gtccaagccc aattctggat tcaagcccaa gcccaattct 180
agattcaagc ccaatgcttc attaattctt gaaattagat taaaaacatc aaattagctg 240
aatggaccca aataataaaa ctgcctaatt aatttgacaa ttaagactaa tcaatactta 300
aaatgggtgct aaaaggggta agaaatagga gaaaataatg gcacatcaaa accccccata 360
cttagccttt tgcactcctg ggcaaaatga aataaagaac acaatccaag gatataaaaag 420
agagacaag 429

<210> 34408
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34408

tgcattcttt ggacaagcta aacatgcaaa ctagaaacta aaatcaaaaa ctaaaaactg 60
aaacataaat ataaacctaa attataaaat gtactaaaag caaaataata ataaaagtgt 120
tcaaaagata ggaaaataga agtcctgtca tgggtcctat ggtgggtcct gtgggtgcaga 180
aggggaaaaa tccatgggtg tgacatcatc ctcatcctca gagagctcca gcacaggcgt 240
gcctactggt gatgcctgtg gggaagtcaa ctccagcaca ggtgtgggtca ctgggtgatgg 300
ttgtggagtc gtgtcgggag tagcctccac aacgtcctcc tgagtagctg ggtcagtcctc 360
taagatctct ggctctggaa tctctaagtc agcctctgga tcaacan 407

<210> 34409
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34409

taaaagccca attgaacctt ccttcttctg gtatttttgt cactttaagt tatgcagttc 60
 ggatttaatt atctcactct caaataagat atcttactcc tgtatgatat gttctctctc 120
 tctctctctc tcacacacac acacacacac acatatatat atacatataa tcttttccga 180
 tttggtttta ttaaattatg tttaaagcaa taaattcaat tagtatcttt acaattcggt 240
 gattgatttg gtttttaaaa tgatgttttg aaagcccata tatatatata tatatatata 300
 tatatatata tatatatata agccttggtat ttaaaataga aaaattaaga ctaaattaga 360
 attttgatcc gcctgtagtt tcacatctaa tccccttatt tctaaatcaa gacatgcatn 420
 ctttt 425

<210> 34410
 <211> 486
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34410

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 ttagagttca cctgcacgca tgcattgctt atatatatgt acacaatatt tgtcttactt 120
 tgcggatgac aataactaac attttgacct tgtaatttgt ctattaaaag aaaaaagagg 180
 agaattctgt ggaaaacata cacttaattc actttacgtt taatccaact tggactttat 240
 ttatgttaac tcacacacat aataatgaat attgctgtaa cgtcttctat tgttggaata 300
 ggtggatttg gtcacaaaag aacctggatt aggaaaaact cctatatagt tcatatgtta 360
 taggtccact cacttcaata gttgaaatct atgcatgcat taagagacaa ttgcaagtat 420
 cccatgtaca ataccaaca ttttaattga acatgattca ttgtcagaca aacgctatac 480
 tgcttg 486

<210> 34411

<211> 143
 <212> DNA
 <213> Glycine max

<400> 34411

agctttgaca tgactttctgg gctgacgata accttttgcta acagccacct tgctgctggt 60
 ggccaatctg atgcccgggtg cagctctgct cctacttata tcaattgcgc attactgcaa 120
 cttcctttct gctatctacg aat 143

<210> 34412
 <211> 482
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34412

agggctggcn ttttggcctt tanngcttgn agagacanta tantttactc aagcttatgg 60
 taaaatctgg gacttagcca tggtagaagt cttcactttg ccattgcctc cctcgcccaa 120
 tactatgata aaccgatgag gtgcttcacc ttaggggact tccagctatc acctatggta 180
 gaagaatttg aagagatcct gggatgccct ctagggggat ggaaacccta cctcttctca 240
 gggttctatc cctcatagtc caaatctcgg agcaggaatt agaccacaag aagcaagtca 300
 aaaatagggg ggttgaata ccgagaaaat atttggaggc aaaagcaaga atcttggcag 360
 gtaaaggcga gtgggccccg ttcattgata ttctcgact gttgattttc ggaggagtcc 420
 tctttccgaa tgtggatggg ttggtggacc tggcagtgat cgacactttt ctgcctatc 480
 an 482

<210> 34413
 <211> 473
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34413

gcgtgtttgt gactcattga cacccttga tgcatacta cctgggcaat tcagctcgga 60
 cccgggatcc tctttattta cctgcaagca tgcaagcttt ctagctcttc attggtgtat 120
 ttogatctcc ttttgctgct ctaaattgtg ggaacgtgct cacatatgtg gggcaatcta 180

ggcttgtatc cttgcttgac taacctgaag tgccggtttg tatgacatgg tcctatgcct 240
 atcatgcatt ttgaagtact gtgtcatgcc acaattgccg cgttctcttg ctattgatgc 300
 ctaaacgcgc gccaccact tgctggtgaa atgcctcaat ggcattatca cgtgattttt 360
 gtaaggaaac aacccatgcc gctgattggt ttgcacatac ttttgggaca tgcattcctt 420
 ttcgacagag ctacaataat ctgccctcat gtgtcttacg tctcgatacc acn 473

<210> 34414
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 34414

gcctctcgac atattatgcg cccgaatcgg acatccgtgt tatatgttat gaccattcga 60
 atttctcgag agcttacgat gttcaattcc gagcgtatcg acatattata tgcctgaatc 120
 ggacctccgt gtgaaaagtt atgaccattc gaatttcccg agagcttacg ttgtgcattt 180
 tcgagcgtct ctacatgtga tgcgccttaa tcgaacatcc gtgtgaaaag ctatgaccat 240
 ttgaatttct ccagagcttc cgttgtccaa tttcgagcct atcgatatgt tatgcgcccg 300
 aattggacct tcgtgtgaaa agtcatgacc atttgaattt cactagagct tacgatgttt 360
 aatttcgagc gcatccacat attatgcgcc tgaat 395

<210> 34415
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 34415

tttacagcag atttttagtaa tgaccacta acctataatt aaaataactt aatgccatta 60
 acctagggaa ttaaaaaaaaa acttaatggc tgagtgtaac tgatattgtg gcaacaaaaa 120
 gtcacccccca acagccaaca agtcagtcac catttggctc cccaaaaggc tgatgcctag 180
 gttgccaatt gggcccttat tacaacttga actaaaccta tctaaagccc ttttagttga 240
 ttaaccctaaa acatattttt ggtcagccaa ctttacaagg attgcgccat tatttagaca 300
 aactaaacac tctataattg agacaaagtg gtgtcattta gttctcctcc attagggcca 360
 tgatacaact cacaaccttg 380

<210> 34416
 <211> 423
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34416

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 tcaagacgct cgaaattgaa caacggaagc tctcgagaaa tgtgaatggg cataacattc 120
 cacacgaatg ttcgattggg ggacataact catgtagacg ctcgaaattg aacaacgtaa 180
 gttctcgaga aattcgaata gtcataacat ttcactcgga tgttcgattc gtgggcatat 240
 tatatggaga cgctcgtaat tgaacaacgt gatgtgaatt tgagtatgag cggatcattt 300
 gataccggct acggagggtt ggatgacgcc acttccagtg aaggaagata agtcatggta 360
 gacgccactt ccaatgaaag aagataagtc aaggtagacg ctcactttca gagaaagaag 420
 atn 423

<210> 34417
 <211> 396
 <212> DNA
 <213> Glycine max

 <400> 34417

 ttgtgtcact tacttttttg ttagggcgtc tcaatttcat gttagctctt agattttttt 60
 tttttattaa tccctggttg tattcatcat ttcattaata tagaaatgat gagttgattt 120
 cataaaaaaa aagtttgagt tggacttttt tgctaaacaa aggcaaacga gtaaaatatt 180
 aaattagtcc ctcatTTTTta gaggcactgt caatttgatc cctgagattt aaaaaatatt 240
 aaaatgatcc tcgattttac atttcgtttg ccacgttagc ccctgtcatt agtagtctcc 300
 taagaccgtt agtaaagtgt tgatatgaca cgctaaatgt cacctagaca cacacgtgaa 360
 atttccacat catgttttct tacttgccac gaaggg 396

<210> 34418
 <211> 332
 <212> DNA
 <213> Glycine max

 <400> 34418

aatgtgcccc gagttgattc acaatgcata tgaagaacca catggtcaca tgactaccat 60
cctatccatg gttttgggtc tttctaactt tatgtgggtt atcacttttag gttcaaatat 120
atTTTTatTTt ttaatacata ttttaattcgc ctattttattc ctaacaaatt ctttattttc 180
tatcgaatgt ttaataaaaac gattatttta tttattatca ttcataTTTTt attcccatct 240
tcgataaacg agtgatctta tgattatcct atgatataac acatactttt atgttagttt 300
gggctatcta taaataataa ataatacttt ta 332

<210> 34419
<211> 397
<212> DNA
<213> Glycine max

<400> 34419

aattctcagt attatgaaca tgtgaagcag taccctttat ttttaatctt gattaagtct 60
cttcataaaa taaggattgt acccattgtc tacacgaaaa taaagactat ctatcttcca 120
aaaatgtaaa tgcttttact ttatagtgt aaaaaggaac aacaaaaaag aaacacaccc 180
tcactttttc cacctatcct acatcttatg ttatctatTTt tactaatatt tgatagacaa 240
ctgtgattga agtttttttc tttttgtttc ttgctctttt tcttgtgatg attgaggaag 300
tacccttttt ctggaaaagt aagttctaca ttgattaatt gtattattcc catatttttt 360
tttagctgaa tgaacagaca tattttgacc catttag 397

<210> 34420
<211> 319
<212> DNA
<213> Glycine max

<400> 34420

ctttcaagcc aatttctatt caatgacaaa ttgtttatat tatggagact ggtgcatcag 60
tccagacacc gcgggtcact cttcatggga catgtttaca actgttcac aaaaaactaa 120
agctcccttg aataactgaa ttgtaacatc agttatcacc tttatcttca cagactacaa 180
cagaggctaa accacacgaa tcttgtgact gtacatcaca agcacaacca ttggcatgag 240
tccaatctg tcaatattac attacaccat cagaagaata gcaccactca atatccatca 300
gaccagtat ttcactcttc 319

<210> 34421
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34421

tttctttctc tagcttccca aggaagctac cttcctttct tctcaaggaa gcttccaatg 60
 tgctaggtta taaatagaaa catgtgtaac tcttgtcata actttgagga atgagaaact 120
 tgtgtgacac acttcaaagt tcaacttctc tccctaattc ccttcaattc ccatgcccc 180
 ctctctctct ctttctcttc ctccattgaa gcttctctc taagcttctt atccaaggca 240
 ctctcttggt ggtgaagctt ctgcttccat gggtttattct ttagtgatg acgcctctc 300
 taaccttttc tcctttatct tctgctgcaa caccgtggct aanaaccacc attgaaggac 360
 cttattgaag ctcatagatc tagcctccat agaagcttct ag 402

<210> 34422
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 34422

ggacatgagg aagtgttgaa gggtgaaact tcctgctttt attgttgacc acagagtgg 60
 acctggagat atgtcgcggt ggtcaggaga ccttggggac gtcagggtggg gtgctattgc 120
 ccaaaaccaa gcttgaccaa tcccgacca acccgggcat agtcggccag tgagaacctg 180
 tgatgtacct aagcaggcga gctcctggca gtcaacagat aaaaggaaca aagaccacaa 240
 agcatggagg cttgtggcgg ctggccagct gtgaactctg attgatatgt gggttatggc 300
 ctctggtaat cgattaccaa ggtgggtaaa tcgattacaa ggcttaaaaa tgaagacagg 360
 aggctaacat ggtctctggt aatcgattac caaggggtgt aatcgattac cacgc 415

<210> 34423
 <211> 265
 <212> DNA
 <213> Glycine max

<400> 34423

cgagccaatc taaacctcgc atatgaacta tcag

394

<210> 34426
<211> 438
<212> DNA
<213> Glycine max

<400> 34426

tatgcgcata tttcettaca aacgttctct tgcacaatac attctattaa ccaaaaaaat 60
gcacccatat acaatcaagg caggttcggt acctagatta ttacacgta cttccaaggt 120
gcatttggtta cttacatcac acacctcctt ggctaaattc acatacatgc atactcaaag 180
cattttgggg taccaaaaat tgcacatgtg cacatcttgg tatttctaata acctatacat 240
acacaaactt catgatgaat cttgactatc tacacaataa ggtgctacat tttatgctct 300
tttcaagttt ttgctaccta aagccgcatg caaattcaag tatattttcc tttgctgact 360
aaaattgtat tcaaattaaa aggtatacat tttttggtaa tgtatcttct ttacataaca 420
tgcaacatat ctatgtat 438

<210> 34427
<211> 191
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34427

ttctttgtat gangaagtgt cgaaagggtga aacttgctgc ttttatctgt gaccacaaac 60
tggtacctgg agatatgtcg cggggggtcac gacaccttgg ggacgtcaga tgggggtgcta 120
ttgcccacaa ccaagcttga ccaattccga tccaacccga gcatattcgg tcaactgagaa 180
cctgtgatgt a 191

<210> 34428
<211> 428
<212> DNA
<213> Glycine max

<400> 34428

tgctaaccba tggaagctcc taatatctcc cacacttttt ggggtgggcc attcttggat 60

ggccttgatt ttctcagggt ccaacttgac cccatttcta ccaactacaa aacctaagaa 120
aactatatta tctacacaaa aggtacactt ctctatattt gcatagaggg tgttcttctt 180
aaggactgaa agaacttgtc tgagatgtcc taagtgatca tctacgctcc tactatacac 240
taaaatatca tcaaaataaa caactacaaa tctacctatg aaatccctta agacatgatg 300
cataagcctc ataaagggtgc ttggtgcatt agtgagccca aaaggcatca ctagccattc 360
atacaaacca aacttgggtct tgaaagcagt tttccactca tcaccctttt tcatcctgat 420
ttggtgat 428

<210> 34429
<211> 76
<212> DNA
<213> Glycine max

<400> 34429
acttttttta aaaaaattta ttaacttttg atttttaaac gaacggcatt tttgtaaatt 60
caatgaattg cttggt 76

<210> 34430
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34430

tgcacttgag ganannncna gacgacatct nancgctagt ttttatttta cttctaacct 60
ccattgagga cagagattca cacttatgcc tccccactcc tgaaagactc actcttttgt 120
ccactcacia caccagattc tctctttcta accctaggct aactctaccc ttaatctcta 180
actgttccca taggcaatcc cagcatataa acatcatcac ataaccctaa aacagaatgg 240
gtctgcctaa ctcatcccaa catggcaatt ccaacaagct tacaacaaga tccttcacia 300
ataatcatca gacagcataa aactacacia caccacccat catatctccc ataacacccat 360
accacacaaa cttaacagag aaagaagtcc acctaaacct gaatcttcca agccccactc 420
gacagcacgc actt 434

<210> 34431
<211> 377

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34431

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 gaccactgct ttctcttccc gcgatgcttc tgttcatatc cccctgagt gggcttatag 120
 cctaaaccat accttccacg atttcctttg gcatttatca ggctagctat gccgccgttg 180
 tctttcgcta aaccattttc ggggttcataa ccgttcccca acataactcg ggccatcatt 240
 actgctgcat cggacaaaca agtcgtccct ttatacttgt cgaagtccgg cactttgaac 300
 ttccgnggaa taacaacatc acgtactaag catagatccg tcatgtctgc gaacggatag 360
 tctccaaatc cttccac 377

<210> 34432
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 34432
 tttatcaact tgactcttta tgtaggtcaa gaggcctttt atttaaaaag aaaaataaat 60
 cgtatattta aatacatcat gacaaatcta atactccctg ctgtcctata tatagaaaca 120
 agttactcgt tcgtcaagac caataaaaat agtttagtta gttagtttta attaataatg 180
 tcaaatttaa attttattca aaacataccc ttttaaggta ttttgtttga gaagtagttg 240
 catttaatga catgagaaac agtgtaattt atatttttaa tagaccaata aatgcatgag 300
 aatgagtag ttacctcatt aatggatttc acaacatgaa gggtaaaaaa gaaaactaac 360
 aattaatata tcttacagtg ggtctatggt tcttataatg aggacaaaca aagaataccc 420
 tcttgtttct ta 432

<210> 34433
 <211> 373
 <212> DNA
 <213> Glycine max

<400> 34433
 agcttatttg tttaaaaaat taaagatctt tttgttatct ttccagcgac tactcacag 60

ttccatttgg agttctttag tgtcttctac gcttgcacaa ggcagatagg tcaagtaagc 120
 acaaaatcta aaatttaact acaattctca attaagctca atcatttgcc ttagaccaaa 180
 accgagttaa tgtgagaaaa taacgggtcaa agagatttca attgacctaa gaagaataga 240
 caaatattaa actacaaata ctcaatcaaa ttccccaca ctttatcatt tgaactcatg 300
 ggagaaacta acagacagat taagacaaaag atatcaaact tagaaaataa ccacactaaa 360
 agaacgtatg aac 373

<210> 34434
 <211> 347
 <212> DNA
 <213> Glycine max

<400> 34434

ttcttgtttc ttataagac actcaacatg tcatcaggat gcacactgaa cacgctcctc 60
 aatctgttat attgattgtg aacgaatgct tcaaccgtaa ctcggtgacg gtgtgatctt 120
 aactgtgaga gaaacgacta caactagggt atgaattttg catgattctc tgaattatgg 180
 aatgaatgca tgaatctgac gatcatgaac gtcatgcttg attgatatag ccacttatgc 240
 aaaacactga ccctgtgcat gaatgattta tcccttgac ccagattgag tctaattaat 300
 gtctgatcga tcgaaccttg agcctogeta gctatctcat gctacct 347

<210> 34435
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 34435

ttgagccaaa atcctgactc accatagacc ttgactcatt gtgttaatgt caatccttac 60
 cctcggaagc gaaaaggaaa gaaggaagat ttccaatcca agagaatgca tataaaacga 120
 atgagcagaa ggaaaattcc ccaatcaaag agtgggagaa agcaciaaaga taacaaagaa 180
 aattcccaat ctaagaatgg gagaaagtaa aaaaggaaga agaagaagga aagaaagctc 240
 ctgatcacgg attgaaggaa aacagaagaa atgtgcacag aggtcttttg accggacaat 300
 atctgaacaa tacagaattg tcaccaaag aacaaaaaga aggaaggga accacaacct 360
 aatgtgtgtc tctcccttta attgccaacc agaatcttgt gtgctagcga c 411

<210> 34436
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 34436

agcttatgaa tagaaagaag aaaatcatgc aatagattta tcatatttca ttttcaaact 60
 atgtggaaca atattagtag atccaaatat tatagattag aatttttcac tatatataga 120
 ctaagaataa aaatagtttt ctcacattct actattcttt tcacaagtct ctattttcta 180
 aactaatgta ttctttcttc aagaaacctc tttagcctca ctttaaagaa aaaattgatg 240
 ttattaggag atagacaata aatactccat gataactgaa agtattctct aaaactgcac 300
 aaaagggtgca agaactaata atgaaactta gaaatgaaca aacgaataat ggttcttaac 360
 tcttttgata tgtagcaaga tcattatc 388

<210> 34437
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 34437

ttctcccaag tactaaatga catttcaagc tagtattaac tcactttaac ctccatttac 60
 cacagaattc agacttagcc ttccaactct caaagcctca ctcttttttc cactcacaac 120
 accacattct cactttctaa ccctagggtta actctaccct tcattctctaa cagttttccat 180
 aggcaatttc agcatataaa catcatcaca aaaccctaaa acagaatggg tatgtctaac 240
 tcatcccaac atggcaattt caacaagctt tcaacaagtt cttcacaaa taatcatcac 300
 acagcataaa actaacaaaa ccacccatca tatctcccaa aaccccatc ccacgaaatt 360
 taagagagaa agaagtccac ccaaacctga attttcgaag tcccactcgt agccacgcac 420
 ttcacgaccc c 431

<210> 34438
 <211> 371
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34438

agcttgtgtg ttagagagga tttgttcgcc ttgtggacca aagagctcca aagggttctt 60
 cttgtctaataaat gaatgtacta ngaatgctga tatagtttgc attggtgttt ctttttatca 120
 taacagttat tgttttggtg tttgtgtact tttttccaca gtaaaaggat ttatattaat 180
 attaagtga ggttatgctt gtcacaagaa gtgccacacc caacctcata aatgcatcat 240
 ggagttcctt ccaaaacact actactcctt tacatatata ttgattctac aacattataa 300
 ggaacagatg gtatcaacaa tattccatag taccctacca tgccttctag tgttcccttg 360
 gtccttattt c 371

<210> 34439
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 34439
 tctactcctt ttgttgctat tgttgttggt gcggctccta ctctccacc tctcttact 60
 atctctatta aggagatttc tatttctcat gcgactgaag ttagtgcgcc agtcgcttcg 120
 gtcagtgtg tgcaggctcc tctgtctact attgttgac ccttgttgag cgtcggtgtg 180
 gcaaccataa gtactcccgat gatgtccctt cctccttctt cagcttcata agttcccccc 240
 ttgaccgtgt tgggtgcagc gttgtcttcc acttgtcttt tcaccaagt gtttctttgg 300
 atcacatctt cacttcttgt gatgttgatt ttctatgggg tatgggttac aagcctgacc 360
 agaagaccct cgggtggcttt gtgtcaacct atgataaaaa tcttattcgg tcagctgggg 420
 tct 423

<210> 34440
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34440

aatgttaatg tcacatcaga taatatcaaa aactatatca aattatggag atcatgatat 60
 ggtattgtaa gtgacatcct tggccagagt aggtttgatt gggatggcac taagcacatg 120
 atcacaattg agaatgaaaa tgcttgaaat gaatattgca ctataagtat tctttaatat 180

attgctatatt gttattcaaaa gtagattgga tttgactttt tctttttttc cagtggcata 240
aatagagtaa accgttttga ttcaagggtgc ttcaaaaacta ggatgataca gtggatttgt 300
gcgctaaaga tagagccatt ggtcatggag ttgaaactgc tgatgtagct ccatgtggag 360
cttgatgcc taggatcttc ttcataatg gagtaacn 397

<210> 34441
<211> 426
<212> DNA
<213> Glycine max

<400> 34441

tatcaaggag tacgactaga tctctgttgt gaatgctgac aatgtgggat cgaaccagct 60
ccaaaacatt cacaagggtc tctgcaatga ctctgtcatc ctcatgggga aggaaattct 120
tcttttaggt gcatgataaa aagggtatgga gttccaagtg ggaaatacaa gttttatagg 180
tgtgcctagc agtggataaa caaccattgt atcttaatag cagctgctcg aggcatatga 240
taggagacaa atcaaatttc ttgcctctaa aagctaaaga aggaggattt gtaacctttg 300
gtgacaacaa caaaggggaga attctcagat acctctttat gatgatgatg atgtaagaag 360
tcctaaagaa tctctccta caagtgaataa ggtagtgaac aataaccctt ttgaagaaca 420
cccact 426

<210> 34442
<211> 365
<212> DNA
<213> Glycine max

<400> 34442

catgtatggc ttcctcgagc ggtgacatta tcttcaaaca tgagtgaacg aatcataacg 60
atgcatgtac ttacgagctt acttgaatca gtaagtaata tttatctagt acattcctaaa 120
aatatatgca ttatacgtag ctaattatat ttgtggactt caaggcacat tggtagcttg 180
ttggtagtcc acgagaccat aattgtggct cggtttgctc tctacctaaag aagcctaata 240
ttaacatcca agttgccact aacacgctat ggatcaaata ataattcatt tactatataa 300
caattatagg caacgccaac ataattctaa tcttatatat cgttatgcgc tttttaacca 360
tgcat 365

<210> 34443
 <211> 432
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34443

 tacactcaga ctntgatcat gttcgtgac aagtactttc tgtggatcag gttccatcca 60
 tggattctct catcactagg cttctccgtg tgcctcactt atcgaaggat gaaaatccta 120
 ctgatagtgt ggagacgtca gcaatggttg catcacgtgg tagaggaggc ggctcgcaaca 180
 gcagaggagg ccgcaatgga aggggtggac gtcctcattg cacctactgc aagaggatgg 240
 gtcacaccca agagaattgt tattegttgc atgggtttcc tgacaagggt gcacagggtt 300
 ctagatcaga gaaagtagag tctaagttct ctgatgagga gtatcaggag tatntgaagc 360
 tcaaatccga gagaccagc aaccaagctc aatcctcacc tgtaccatgt tnttcaacag 420
 cttgtatctc tc 432

<210> 34444
 <211> 236
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34444

 agacatgaat ggaataagat tggagttttc aaatgcttgg aagcattcaa aattctcatt 60
 tgagaagaac ctcatatcta tgaatttttg gtctacaatg gaacgagagg aaaaaagatt 120
 tgtgtaccgt atacgtgtt cctctgatga gaataataac ccacaaggaa tggacggagn 180
 gaattgagct tcctgtgacc cacaatgccg ctgactccga ctggaagttc ctttgc 236

<210> 34445
 <211> 439
 <212> DNA
 <213> Glycine max

 <400> 34445

 tgcatcggga attgcgaaag cccactcca tcattatgat tattacctga catctcaaac 60
 aaacaaatca aacgtaacaa gacaattata gttgctgttt gaataacctca cccactcaag 120

tgtatcacac aatgatggct tttctctaata gaaacactct ttcctttttac cactctaatt 180
 ccccttgagt tcttaggcaa ttcaagagat tatggccaca acaaagaaca attcaccaat 240
 atgtgtaagg taaggctaga gagacaagga aaagggttaac caagaaaagg ctaacaatgt 300
 ttttaggcac aaatgaagga aataaaattc agaatttagg aattcaagta acaatcctcc 360
 atgcaaccaa tatattacct taaagagatt ttttttaaag ttcttcaagc attgaaccat 420
 tcagcccaat ttttttttt 439

<210> 34446
 <211> 238
 <212> DNA
 <213> Glycine max

<400> 34446

agcttctatt gtttctacaa tagtcgatta tcaaattgagg taattgatta tttcgaaaca 60
 tggaaagctc ctaatgttcc atacaaaatc taatccacta caatatgaca taatcaatta 120
 tttcaaggca caatatcaca atcaatatga caaatactgc agaaaactct taccaattca 180
 gggcagatgt gcccttcac tccacaagct tccttaaccc atgatactcg aacagtcc 238

<210> 34447
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34447

tgtacatcct gaanaaataa attagttagt gtatattgta ttcattctgc attacttgga 60
 tttcaaaaag aagtacccat aaacaatatt cgaattaggc aactgcatt atagaagtta 120
 ttttagaagc tacacacaac aattgtaatc atgtataatg tgaaatcccc aatttcaaac 180
 accatcacia aattataaat aaatttgcca ggtggaaaag atgaccacgc caaaagttta 240
 accaattttt catccatatt aactatgaag atgtccacat cagttagaaa tatagccaaa 300
 atactcctta tacggcttgg acaatcatct aacctcaagc tagctatgcg gtcattgttat 360
 gcctagccca tttttaattt taactaaaca gaaatttttc gtccatttat accttgtaaa 420
 acaatatcaa aaca 434

<210> 34448
 <211> 569
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34448

 acacctgtat ctcaccctaa acaccnacnt aatgtantca ccttcttgn tattatatta 60
 tatannnann nnnnnnaaga gatgtttgat gacgtcgatg gacactccaa ggtgaatccg 120
 agctcgggtgc cggcgatac agtagagctg acctgcatgc atgcattctt tatacctcga 180
 tacaccattc cattaatctc aactacataa gatgccaaaga cctattgaat tgcggaacca 240
 atgtcacaga ggcgcacatc tatgacagct tcctaaatgg caagccaaac attccatagc 300
 atgatagagg aaccatcgaa ttgcatgatc taagtgggtgc ataataaaaa cctcacacga 360
 cacacaacga acataggata tacggtggag ggtgtacgga tcagaaacca tatattaagc 420
 tcgtgaagct tcgccgtgct acagatctat ggacatacaa acggataaga gcgctcaaaa 480
 tagagccatt gatcacgaat ctgaaactga taatgtagcg tcattgagca gctccggagg 540
 cattggatct tcatcatcaa tgggaagtcn 569

<210> 34449
 <211> 526
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34449

 acaatcgacc cccggttaaca acattacgac aaaccgaaaa cgacacaccc acacnaaag 60
 ccggannatg aactcgtgac gcaggcccta ananaccag cgncacggac nccccagaac 120
 acngngaaga gggtatcccc aacacacctg acaaccggg agcaagcaat aacatgtatg 180
 cggcacccaa ctgagaatga agacgacaga acaccacaa ttcaaaggct acaccgacgg 240
 tggcaaccgc gagtaggaac aaaaccagca tgcaagtgc cctagacgaa cggccataga 300
 atacggcaag ccacgcaggc acatggctca caccatttga ggccacttat ggtaaactc 360
 ctgcgaaaag tgggaagaac tcaatgctac ctattggta acaataagaa aggaggagc 420
 gcaccaaata ggccgagatg agactaatcg aaggacaaaa tccaataaag cggcaaaatc 480
 aagagatcct aaacagaaac aaaataaaac agcacagcga acaccg 526

<210> 34450
 <211> 330
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34450

atctttttgt attccatata tagaccatt aagcgtgcaa accacatgct cccactatc 60
 acacgataaa ccttcatggt gtntcatata aacctcctcc tctaaatcac cattaagaaa 120
 agctgctctc acatcaattt gccgccactc aacgtcaaaa tgagcaccta ctgccaagat 180
 tatacgacta gaatctttct tacatactgc acaaaaagtc tctttgtcat ctattccttg 240
 cttgcgagtc aatcccttag caacaactct tgccttgat ctctaatagt tgcctaata 300
 atccttttct ggcttaaaga cccacttaca 330

<210> 34451
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34451

agcacaatgg cgattctaatt tggatcatcta gtggattata ttttacaata catgaatatt 60
 atatatatca acatgcattc atttaggaag acttaaccac aaagcatgaa caaaagctag 120
 gaaccaagaa gcacaagaaa gcgagcagcc ggtggaagga aaattcggtt ctgaagcttt 180
 tatcgatccg tttcaatcca tttttcttcc atcttcttcc ctttcacccc acctttattt 240
 ttgtaagtct ctcatgacaa caaaagacta agattaccta ttgttggtag ctctgtaaat 300
 caaactctct ttgatgtaat gattctaaac tatcttttaa tataatgctg ttattattat 360
 tcatccctat gcttatttat atacttatgg ttgatcatt catctttatg tattgggttaa 420
 agatatan 428

<210> 34452
 <211> 345
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 34452

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acggaggagc tagagtggat gatgaacgga tgcctccat tctagctctt tttctcgatt 120
ccatttgcaa ctaaaaagaa ctaaaaactc cttacaccaa aattgctcac gtttaacaac 180
agaaataaag gctgaaacta aactacgtg cttancgaga tatagctcgc tcagegcacc 240
ctcaaagaca taacatatcg gcttacctgg agccaagctc gctctaccta atagtggctg 300
cgacaaaatg cgctgagctc acatgaactc cgcttagcac gaggc 345

<210> 34453

<211> 418

<212> DNA

<213> Glycine max

<400> 34453

tagcgagggc atagcctcta gaagagatat gggttgtttg gcttgcacct ggcaacacaa 60
ctcaggattg agacccgaga tgaagcaact aaggagaaac aacagagcga gaccaacgat 120
acagttggcc agccgttcaa actcgatcaa atagtcattg accgtgctgt gttgatgaag 180
cttgaagagt gtgccatgcg aattgtcata aaatgatgga gcgaaacgcg actctaaggc 240
ctgaagcatt acggggccatg tcgtgaggaa gccgttgccg gtcacccact agtatcagct 300
aagcgttggg tcctccatat agaacaagac gatggtgagg cgttcgggtt caggcacccc 360
ttgatagtcc aagaactgca atattttgaa taccagcct aacaagtcct agccatca 418

<210> 34454

<211> 393

<212> DNA

<213> Glycine max

<400> 34454

agcttgaagg tatgagacga tgagtggagt gagagggaga gaaggagcac gaaattttgt 60
gcctcaaaag aggtctgaac tttgaagtgt aattctcaaa tgatcaaagt tgaaaaaatt 120
cacacacatg gcctctattt atagcctaag tgtcacacaa aattggaggg aaatttgaat 180
ttctattcaa atttcacttg aatttgaaat tgaatttgtg gagccaaatt ttggagccaa 240
aatttcacta attatgatta gtgaatctta gttatggttc agcccactaa tccaagatca 300

agtccaagat tgtccactaa gtgtgctttg gtgtcatgag gcatgtaaag catgaaggac 360
atgcacaaag tgtgactata tgatgtggca atg 393

<210> 34455
<211> 432
<212> DNA
<213> Glycine max

<400> 34455
ttggctgctg agcagctctg aattcgtgag tatttattga agatgacgca ttgtaatcga 60
ttacaggtat tggtaatcga ttacaggccc aataagcctt ctggtaatcg attacaggat 120
gttgtaatcg attacaggct gcctgttcat gtgtaatcga ttacactgga tggtaatcga 180
ttaccagagc ctatcctagg ctagtcttcta agagaatata tatatttatg ctcaaataca 240
tcctatatga ctaattttca ctactaatac actaaattca atcattcaat tactatatac 300
acaagaaatc ataaattcta tcataaagac aagaattcaa acaagatcaa acaaaataat 360
ctacaatcaa aaggtaaaaa gttaaataac caatcaatca accaatcaat caaccaatca 420
attcctatatt tt 432

<210> 34456
<211> 345
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34456

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tttcttagat taaacctggt tttgaagtaa aattgggcca ttaatttggt gagattttctc 120
caaggaggga ttaaaccact gaacttatte aagttaaacc agctaaattg atatagtgat 180
tttttggtga gaccatatgc aatttgagct tacaagccag tttagccagg gagagaactc 240
ccaacaaaat ctagctagct ataaggggtgt tggagaagtg gtgaaaatat tcttttttta 300
atgaataatt ataataattct aaatcttgat ttanattgaa atata 345

<210> 34457
<211> 430
<212> DNA
<213> Glycine max

[illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible]

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aacaacattg agtcttgcaa tgaagagaaa ttcaagaaat aaattcatat aagtgaagtt 300
gattcatggt agttgtgaga gtttttgcgt tttgaatttt taatctttta taagtagagt 360
ctttgctggt acagactttt ctcttctttt ttctgttttt tagttagcta ttgatatacc 420
aataaagtct t 431

<210> 34460
<211> 337
<212> DNA
<213> Glycine max
<400> 34460

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aagtagattc agaaaataat tacattttatt attattttga ttaacttctg aatatgggtg 120
aaatcttatg tgtgtctgac atattaaaca agttaacgtc taattttatt gattagaata 180
tgaatctgtc taaccaaatt aagatgttta ataagtaagt ttattttaagt attttatact 240
tcatagcttg taaggcatta cttatatatc gcatataggt tcgcaactct ctttttatac 300
ttcttatcat tactatttta atacaccttc ctcttat 337

<210> 34461
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34461

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ggatgctaac cgatagaacg acatcaatgg aagaccgtgg atgatgttcg attattatct 120
natggttcat ccatggactt caaaatttgt ggtgacagaa gcaacaatag accaaacctt 180
ggcttggatc cgttttccaa gtctttggat ggtctatcat gatgagactg tattactgac 240
cttggcatca actattgcaa cacccatcaa ggttgatcta aacatcttga atatgcatag 300
gggaaagtgc gtgcgattat gtgcataaat taatctcaat gtccttgtcg tgggagattt 360
tgcataatg gaaatcggtg taatatagaa tatgacgcgc ttcattttct 410

<210> 34462
 <211> 345
 <212> DNA
 <213> Glycine max

 <400> 34462

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 ctttctctct ctagagtctc tcacatgcag aagctccttg agaaaatggc taaaatccca 120
 gaacttgaac ctctctttgt agaatctctc acatgcagaa gctccttgag aaaatggcta 180
 aaatcccaga acttggacct ctctctctct agaatctctc aaaaaatata taagctcaag 240
 gaaaagccca cactcctctc aaaatctgat tcaggcttaa atagggcttt gttgtgttga 300
 cgcttatgaa ctctgaacgt tatcgccatt atggatttgg ttaca 345

<210> 34463
 <211> 436
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34463

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 ggcacttctc tctctttcga atttgtttag aaaaattggt tccgtgaaga aaatccaagc 120
 cgaggtgctt ccgtaacgtt tccgtaacgt ttccgtgagt gatttcgcga aggttttcga 180
 ccgttcttca accttcttca ttcgttcttc atcgttcttc agtcttcaac gggtaagtac 240
 ctgaaccaa gcttttcgat tcattctatg taccctgggt ggtccacatt tggtttcatg 300
 tatttttatt ctggtttcat ttacttttta taccctcttt tgacgtgctt aagccattnt 360
 atttaagtca tttctcgctt aacctaaaaa taaaataaat ttccaccgat cgtttgaatt 420
 gtattatccg ttaact 436

<210> 34464
 <211> 381
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34464

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 atggaagcct acactccttt atttttggtta cgtaatatga agaattgcttt cataattcga 120
 ttaagtggac ttgcatgttt gcttggttgg tttgcttttt aattccagtc acaattagcg 180
 gctctttaat cttgaatatc ttatattgaa tgaatagctt gctttgtcaa atcacagata 240
 aaataaaggg taaattttctg gattggcctc gacgcttnca cataatatTTT ggaataactc 300
 gaggacttct gtatcttcat caagattctc gattaacgat tatccataga gatctcaaag 360
 caagtaacgt tttacttgat g 381

<210> 34465
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 34465

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 tgctttaatt aattaccatg tgatataatc aattacttct ctttctataa gtgtttcaca 120
 agtgacccaa aacactttta tgcattactt tgaggatcta atcgattaca ttattcttga 180
 gaggtttcca agttttggga agaagacttt aatcgattga aatgataata taattgatta 240
 cattgtagat ttaattgatt acaagcagat attacttttt tctctctata taccatctt 300
 gtgttctcac ttctatgcac aagttcatta agtgccaaaa tgcattgagtt gatataagcg 360
 ataagcgacg tgtgatactt tc 382

<210> 34466
 <211> 347
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34466

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 acctgtttta aaatttatta attggcaatc ctttcaattg agagtaatat caaacatagg 120
 acagacaatt agtatgaaac tgctgaagta atcaatttat gataatacat atggcattag 180
 acattcagca aagttcacga atcataaaat tcccaccaga ggaaagtgc ctttctgagc 240
 cacagctaaa gctgcctcgt ctgcactaac acatctaagt atgatctcac gaacctcaga 300

aatgacaccc taaacatacg aacncaanac agatattaaa acgtgga

347

<210> 34467
<211> 436
<212> DNA
<213> Glycine max

<400> 34467

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gtccacatga cgtaacagaa tttgcagaat gaaacatgga accaccagca acatcctttt 120
ctatgtacaa ttctagaact gacatttggt gttggtgttg aaaactttcg atcatagttt 180
caacatcttc gtcatcacia atttgcaagg cgacatattt tcctaaaact aaaaatctac 240
aacttatagt agaaatgatt tcattatttt ctaactttcc cttatctcca attttttttc 300
aaagcattga aactaattcc gcatttaatc tgaattacct ttttactgcc ttcaaattatt 360
acaccatcat tgtcttcata tactcttcgg ttgaaataca aactgtaat aattgaattc 420
atgatatatc tacatc 436

<210> 34468
<211> 367
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34468

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aacttaatgg ctgagtgtaa ctgaaattgt ggcaacccaa agtcaccccc aacagccaac 120
aagtcagcca ccatttgggc tcccaaaagg ctgatgccta cgttgccaat tgggccctta 180
ttacaacttg aactaaacct aactaaagcc attttaattg attaaccxaa aacatatttt 240
tggtcagcca actttacaag gattgggcca ttatttatac aaactaaaca ctctaaaatt 300
gaaacaaagt ggtgtcattt agtccttctt catttgngcc atgatacaac tcacaacctt 360
ggacttt 367

<210> 34469
<211> 436
<212> DNA

<213> Glycine max
 <400> 34469

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gataaaggta gtgttgccat gttttcaaag cccgtactaa ggcatacaac tccttatcat 120
aagttgaata gttaagggtta ggaccactta actttttcact aaaataagca attggatggc 180
cttcttgcac caacacagcc ccaatcccaa catttgaagc atcacactca atttcaaaag 240
atTTTTgaaa gtttggcaac gcaagtatgg gggcattagt tagcttttgc ttaagaacat 300
tgaaagcttc ttcttgtttc tctccccatt tgaaaccaac atttttcttg agcacttcat 360
tgagaggtgc tgccaatgtg ctaaaatcct tcacaaatcg tctataaaaa cttgctaagc 420
catgacaact cctcac 436
  
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<210> 34470
 <211> 359
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34470

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gcgactggtc cctttcttcc cttcgcaact tgagttcatt attgctaccc catagagctc 120
cgcgaaattt gttccggcca tactcttccct tgcgagccct cttggtctct tgttcaaggg 180
ctcttgcggt aattgcattc tcttcccgta acccggaac ttgcatattc aataaggaat 240
tttgattggc cttcattgta caatctatct ctttcaagag agatttcttc ttctcttctt 300
cttacttctg acnagggatt aagagaccga gagtctcttg ctgtacagga ttcttgaca 359
  
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<210> 34471
 <211> 425
 <212> DNA
 <213> Glycine max
 <400> 34471

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taattaacta acaacttggt aaaaaaatat aataccaatg ttgccacgct acagacatat 60
tcaacgggta ccaatcccca ttgaagacgc gtgggggagg tttggattgg gctccaccta 120
ttttcttcga tcagctagga aaagctggaa aaggtcttca tggggctacc catttttgtc 180
  
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<210> 34474
 <211> 301
 <212> DNA
 <213> Glycine max

 <400> 34474

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 ataacaaaac acaactccct ccccaaataa tcacaacgtc atgacgctcg cttggcaact 120
 cccacaaaga aatccccctt tacatcactt actggtgtca tttgctcca caacaaaggt 180
 tcggatcatc aacgtacaac cacacggaca aaactcaaag atgacctatt ctaaacacat 240
 caacaagcgt agatgacgat aattcaacga actatgtcat aatataatcc actcataatc 300
 a 301

<210> 34475
 <211> 423
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34475

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 tcttttagaga agggaaccaa agtgccgatc tcttggcaaa ttatggtctt catgcaagtg 120
 atcctatattg gtgggatcat ctctccttt tattttctta ggcttttatt tgtaataaaa 180
 gggtttttttt tttaccagaa tttaggtctt gttgagtcta tttgcatggg ttttggttat 240
 tatagtgtgg tatatgatta ctagattata ttggtgtcaa cataattggg attagttaat 300
 atgttgtgat gttgtgcact tcaataagtt tataaaaaaa tcattttaca ttaagatgag 360
 tcataaatt attatttata agataaatag ccaacatcat ctttgaaagt gtgaagtgc 420
 aat 423

<210> 34476
 <211> 431
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34476

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tcaaccaat gattgggtcc tggtgaaact caaaccac cgataattaa ctgcaaagg 120
acctggaaca agttcgggta aacaggacaa gctgttttat ggctcattca gagtgataga 180
acgcattggg gcggcggctt atcggctcca gttaccagac ggtgctaaga tacattcagt 240
cttcattgc tctctgctta agccattcaa gggttcacca acacaatctg aaattgcac 300
cttaccagca caattcatta atggacaacc tatgatttct cctctcgcta tcctcaatga 360
tcataagggt ccaggatcaa caccagactc ctgngaagtt ctcggtcaat ggcaaggat 420
gtcaccagat a 431

<210> 34477
<211> 359
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34477

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gacagactca cagtgagaag gagagtgagg gaaaaaagaa gccatgatga taatctgaat 120
tgctagctgt ggacgcttg gatgggattg aaatgataaa ttatgggtac gctatcggca 180
atggatcagc ctctccacca ccttctctca atttgtaata cataatcang aacacgcatt 240
tacgattgga gtattggacc tcttttttca cccgccccaa tgaaaacgtg gcttgggtgca 300
cttgctcttt ttttaatgga caaaactacg cgctttgttc tgattttcta tattccgct 359

<210> 34478
<211> 433
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34478

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agaagaatgt ggcatttacc tngggtgaaa aacaagatca agcctttgct ttgctcaaag 120
aaaagcttac taaggcacct gttctagctc ttctgactt ttctaaaact tttgagctag 180
aatttgatgc ctctagagtg ggagttggag ctgtattgtt acaaggtggg caccctattg 240

cttatttttag cgaaaaactt catagtgccca cccttaacta cccacctat gataaagaac 300
 tttatgcctt aataagagcc ctccaaactt gggaacatta ccttgtttcc aaggaatttg 360
 tcattcatag tgatcatcaa tcaactaaagt acattagagg gcaaagcaag ttaaacaaga 420
 ggcatgcaaa atg 433

<210> 34479
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34479

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 aacagccttt agaaatttga atttaaattt taaagtctgt aatcgattac agaattgtatg 120
 taatcgatta ccagagttaa aattcaaatt tcaaatgtga agagtcacaa ctctgcagaa 180
 aacaattgtg taattgatta caccattttg gtagtcgatt accattgaag aattttttta 240
 aataactccc aatagtcaca tcttttcaaa tgattttgaa tggccatcaa aggcctatat 300
 atacgtgact tgcgacatga attttctgag agttcttctg aactganatg tcttatcctc 360
 tacaaaagat tctctgtcta acacttgata ttc 393

<210> 34480
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 34480

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 caatcatcaa tcatctttga atcatctatc tttcaatctt ttttcaacat catatctcaa 120
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 tcttttctaaa agttttttat caacactttc tcttccaaga aaagttcttt gttcaaaaac 240
 ttgtgctatt catctttttc attctcttct cctttttcca aaagaatgaa ggactaaccg 300
 cctgaattct tttgtttctc ttttctccct tacaaaagat tcaaaggact aaccgcctga 360
 gaattctttt gattcttccc ttccccttaa gcaaagatt tcaaaggact aaccgcctga 420
 gatattctttt 430

<210> 34481
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 34481

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 ctgggatctt ggcggacaag aaagactgag gacatcatgg gcaacatatt accgaggaac 120
 gcatgctgtt attgcggtga ttgacagcag tgatagagcc aggatctcta tcataaagga 180
 tgaactttct aggttgctgg ggcattgaaga ttacaacat tctgtcattc ttgtctttgc 240
 taataaacia gatataagg atgctatgac tctgtctgag atcactgatg cactattcct 300
 tcacagcatc aaggatcata gatggcatat acaagcttgc tgtgccctat caggagaacg 360
 gttgtatgat ggtcttggat g 381

<210> 34482
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 34482

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 tagttgagtc cacctgtctc aaactcagct taataatagt cgattagctt cagttactac 120
 ttagtgggat ctgctaagcc gcatataaat taatgcttaa attaggaata actggattta 180
 agttcactga taatcctagt ttaggtgcat aaactatgta tggtaattgg tgagttcaga 240
 gtacatgagc aaaacgttaa ataaaagtaa gtcatactaa aagtattaaa caattgtgta 300
 gtgaagttaa cctatttcac ctttactaa tcaaacttta atccagcttc agattttgag 360
 ctataagtgg tgcttcaagg ataagtcaat 390

<210> 34483
 <211> 141
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34483

<210> 34486
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34486

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 cggaatgggt ttaggcaaag acaacggcgg cattactagc ctgataaatg ccaaaggaaa 120
 tcgtgggaag tatggggttag gctataagcc cactcaggca gatataaaga gaagcatcgt 180
 gggaaggaag agcggtagtc aaagctcgcg gttgagacaa gaaggtgaag gaagcccacc 240
 ctgccacata agtagcagct ttataagcgc gggctctgggg gatgaaggtc aagtggtcgt 300
 gatatacgaa gatgatgttc cgagtacatt ggatttggtg cgaccatgcc ttcctgattt 360
 ccagctggga aattggcaag tggaggaatg ccncagcatt tacgcaacga gcataat 417

<210> 34487
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34487

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 tatgcatcca tatacaatac atgtgtcctg atattcctta attgcttatt gactacaagt 120
 ctacaacgtc aaccacatac attttccttc gatcccttcc atccaaagga aacaaaacat 180
 aaaagtgaag gcataaacia gaacggaaat ggctctacaa caataattct atatttacgt 240
 acaagcaaag aatgcaacat catcacgaat gtattacttg gacgtgaact aactcaaaaa 300
 caatagtgtc agaaccagat tanagctatg tacgtcatga tgaagaagaa attatatatg 360
 atatgatatc atgcgttatg ggcacagaag atcgttgcct ggcccaccat aatataagca 420
 tgtgccacat tattacta 438

<210> 34488
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 34488

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 ctctctcag tttagagatg atgatgaaac ttgaaagttg cgaccatctt atatcatcaa 120
 ttcatttttt tattgggaaa aatttaagtg agttggattc gagagaactc attaggatta 180
 gaagagactc aagactaaaa aacgcttaca aattactcac caaacaaggt tctaatatca 240
 aaagcgaaaa tcgaactcac gtttttgtgg gatatgagtt tcttccttac caattggacc 300
 acaatctgtt ggcttatatc atctattcat aaacctatgg caatcgctcc actaattggt 360
 gcataaaaag tgtataaaaa agaaagttcg gataagatag agcaacaaac acggtgccga 420
 cacttcttaa 430

<210> 34489
 <211> 436
 <212> DNA
 <213> Glycine max

<400> 34489

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 gaagatgtca gtaatcatgc tatggccatc ttaaccaatt tttttttttt tgcaatctgc 120
 ttatagctga ttttattttg attcttttgt ttctagaagg aaattcccga cagacctttg 180
 ccatcacatt ggactccttc tatgcaggtg aaaaacatat tctggtttga actttgatcc 240
 aatttggtgt ggtatcttga tcatgcacac ttgtgtttgt catacataaa aaggttgact 300
 ctgtacatct ctcttttaaa taggcatata acacttgtgg gtctactcca actccctttt 360
 taaatcaaca ggcagctggg tctcacatgc ctctctacat gtgggtaaat catgtactga 420
 tatacatacc attgcc 436

<210> 34490
 <211> 435
 <212> DNA
 <213> Glycine max

<400> 34490

tgcagcacac tagcaaagct agaattatctt ggaacattag atgtttgcct cattcgacaa 60
 aacaactcca aagcctccct acttttatca ctctgagcat accgcgctat catgagactc 120
 caaggaataa gatcatcttt cggcatttct tcaaaaaact gctgcgtctc agpaatctct 180

W **E** **B** **O** **R** **N** **I** **N** **G** **S**

<210> 34497
 <211> 419
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34497

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 tcatctatgt tactcactca tggtcgagta aaacaatata tgttgagtga aaatgtaatt 180
 caattgtcca agatataaac ttcttctga aagcattgta tgaaggaaaa attagcaatc 240
 aaaaaatgaa gcattcttat aatctacatc tccatctggc atcaatgtgt taaaaagaaa 300
 tcatacacaac ttgataaaaa cttataaca agagccccgc atatccactt tgtatatcac 360
 gtatatggta tataccaaaa gatcaaaatt aaacaaggaa acagtaatga anaaagtac 419

<210> 34498
 <211> 386
 <212> DNA
 <213> Glycine max

 <400> 34498

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 ttaccctcgg aagcaaaaaa gaagagaagg aaaatttcca atcaaagaaa aaaaagagaa 120
 ggaaaatttc caatcaaaga gaaagcaaaa aaaggagaga aggaaaattt ccaatcaaag 180
 gaaaaaagag aggaaaggaa attcccaatc aaagagtggg agaaagagaa aagaaaagaa 240
 agataattcc caaccaaaga gtgggagaaa gtaaaaggaa ggaaagacag ctctgatca 300
 aggatcgaaa gatatcagaa gacatgtgca aaaaggtctt tggaccggac aatatctgta 360
 caatacagaa ttgtcaccaa atgaac 386

<210> 34499
 <211> 241
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34499

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agggatctca actcatctaa tatcttatac aaggggtcct tangagtaga accctcacca 420
ttaatgc 427

<210> 34502
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34502

agttttgatg gtgtcgagaa gaaatcacat gtttgtcatc atcaaaaagg gggagaatgt 60
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cttcaagatt aatacaagat tttttcaaca aacaaagcct tgattcaata tttcttcaag 180
atcaagcctt gcctcaaaat gtagagattt caagtcaccc aaggcacatg taatcgatta 240
ccaatacatg taatcgatta ccaaggcaca tgaaagtgtg taatcgatta cacatcatat 300
gtaatcgatt accagagact ctgaacgttg ggaattcana ttataactgt gtaatcgatt 360
acacaaacat tgtaatcgat taccagtggg aagttttcag aaaatctgcc aacagtcaca 420
tctttttca 428

<210> 34503
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34503

tgtctcagcg gtnatgcgag tattagacct acatgctagc tatcatcgcc aagtaccaag 60
aagagttagg tctagccgcg gcccacgagc ataggattgc ggacgaatat gcccaggtat 120
acgcggaaaa agaggctaga ggaaggggtga tcgactcttt acaccaagag gcaaccatgt 180
ggatggaccg gtttgccttt accttgaacg ggagtcaaga acttccccga ttgttagcca 240
aggccaaggc gatggcagac acctactcca cccccgaaga gattcatggg cttctcggct 300
attgtcagca tatgatagac ttaatggccc acataattag aaatcgttag gacacttgta 360
tggtctctca gaccttgact agatacgact tcccttttga aatanaatga gttg 414

<210> 34504
 <211> 427
 <212> DNA
 <213> Glycine max

<400> 34504

ttcaagacga cgaatcaagt cgcaccaagc cgctctgatg accacaaaca cgacgaccaa 60
 aagcccaaca gaatgatgcc aagaccgact caacacgcgc aagaacaaga acaacctcaa 120
 gcttcatgac aagaaatcaa gacgttggat atcaagactc acgagacgac gaactcaaga 180
 atcaggagaa tacatcaaga agactccacc agggacgtac cgaaaaaaat cctcaaaaaa 240
 caaacatagc acagctccgc gtctaaaacc gggccacac aattgactaa ggtactagac 300
 gactcactct ctgggaaacg aataccatcg acctggaatc gactaccacg ggccaagctt 360
 gagggccaaa gcttctaacc gaacgggcaa tggtcacta cgacgttaac gggcgccacc 420
 gaccccg 427

<210> 34505
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 34505

agcttgcaat tgtcctttca ctatggaggg cattactaat cagcttgagc atataatatg 60
 cgagagatga ggctccaag ctccaacaat gttcgactgg tcgcagcgaa ggacaccatc 120
 atacatgcca tcaagatcat ttttcttgtc tgaataatac cttgttgatg cttacagggc 180
 tggctcgcag gaagaatatg ctggccaagt ctgtttattc aagccaaaaa tcatgacata 240
 agctcggcac atatacaaga tatcacactg caatggaagg ctgagaggaa tatgttgact 300
 aacaacacga gttacatggc tgctgacaat gttaacatag cagcaagtac acaagatcag 360
 tggaagt 367

<210> 34506
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 34506

tctattatta acagtttagt tctagtgcac tgaactttgt ttattagcag tttgattaat 60

aaaacttaaa acagtttagg tttagttttt tataaaataa ttcagttttt aatagtttaa 120
 ttcatttttg tattaagta gttcacagat caaaataatt ttttgacac ccctaaatac 180
 tttccatttg ataatggcat aatatatggg agaatttaca taactcatga atgatactta 240
 ctaggcctac tgcaatgtca aggtgatact tgcgtcctgt agtgtgcact gctccaccac 300
 gactagaagt ccggttaaaa ttatcattta tcacatcacc tactaggaat ttagaagaca 360
 ctgagtataa atgctaaaag aggaagttaa atgatatgaa gataacaaat tagatgatct 420
 aaaacgaagc a 431

<210> 34507
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34507

gtntttnttt ttttttttac ttttaaaagn tccttctttg aagttttttt ttaaattggaa 60
 aacaaaacaa aagaaaaaaa ataatgaaa atttttgtaa aaaagaaact tataacttca 120
 aaatactaag attaaaaata atatatatat atatatatat atatatatat atatatatat 180
 atatatatat atatatatat ttgaagtagt aaataaataa aaaattaaat tgaagttgta 240
 aaaattttat aacttttagt aaaaaaaaaat aataataaat tataatagat gttaaattctt 300
 ttaactcaca ccttataata ctatttcatt ttctataata attttagaat caatcctaaa 360
 taaaaaaatt acaccgtct aatataattg aacagagagg gttcaccttt ctctcactct 420
 gtttcacaa 429

<210> 34508
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34508

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 agtggatggg gcctcttctc acctcttttc ctttgtcttc cgctgaatct ccatggtgaa 120
 aatcaccat tgaatgaagc tcaaagatcc agcctccata gaagcttcac aagcaagctt 180

ccatcacttt ctctccctct cctccactc atcttctctt accttcaagc tcttacctat 240
 ggcttctctat gttggtgagc tntttcttga ctcatctttt ccttgaagtg gcgtctccaa 300
 tcatctttct tccatctcca ttctgctacc gttaaacttc aagaagcaag ggactccatt 360
 gatgaagatg atccaaggcc tatatgctcc acattgagtt acattacgaa atatacttgt 420
 ttgacaatgt agacaattac 440

<210> 34509
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 34509

gtgcggctga caatatatta cagcaccaag gttctatttt aggcctctct ctcttctctc 60
 tctccttggt cattttgagc tataggcttc tcttcttctt ttaaactctt tttcattatg 120
 caattccagt tctaagattt cgttttagca ataaaaattc gttctctatt gattaatgga 180
 aggctaagtc tccagcgctg ttttctcttg aggatcaaac acaattctct ttgaggctct 240
 attattacta ttaaattctg ctcatgtttt cctcttcacc aattactctg tatatgttgc 300
 tatgaattca tgcattgctt gagcttgatg aattgtctat gcacttaatt tacgttcatg 360
 cttaatgacg gttcatgatt aattggtgta tgtgttgctt aatcacataa tgaatgcctt 420
 atgttaaatt t 431

<210> 34510
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34510

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 aatctccata ggaaagacat ttttaaattc ctgcaataag ggttgaacac taggagaaat 120
 agaaatagta aatcattag aattatgagt agaaatttta ctgtctttgc aatactgtag 180
 attgagtggg tcatgagcag gtaacatttt cctcacttca ctgcctctg caaaataatt 240
 aacttttctc tcatgtgat cactctcttc ctgggtgta tcaactcttc tcatattcct 300

ttgtggcgcc tcactatfff cttctcttg atctctctct tctctcattc tgatttgagc 360
atcacacact tctctaggng atagatgttt aagagt 396

<210>	34511
<211>	426
<212>	DNA
<213>	Glycine max

tcagaattca atttcgagcg tctcaataga ttacggttac tcaatcagac attcgagcaa	60
aacattattg tcgtttgaat tagctcagag cttcagaatt caatttcgat cgtctcgata	120
tattacgggt ctcaatcaga catctgagta aaaaagttat tatcgttcga atttgctgag	180
agcttcaaca ttcaatttcg agcgtctcga tgttttatgg gacttaatca gacatccgag	240
taaaaagtta ttgcggtttg aatttgctga gagcttcaac attcaatttc gagcatctcg	300
atatattacg ggactcaatc agacatccga gtaaaaagtt atcgtcgttt gaatttggtc	360
agagcttcaa cattcaattt ggagcgtata catatattac gggactcaat cagacatccg	420
agtaaa	426

agatgncagt	tattcttaga	ccacagcacg	accattaac	cttgaagcaa	aacacctcac	60
tgccattaac	ctatggaatt	aacaaaaacc	tatcggtga	gtgtaactga	aattgcggtta	120
accaaaagtc	accccccaaca	gtcaacaact	cagccaccat	ttggtctcct	aaaaagctga	180
tgccctangtt	gccaatggg	ccctcattac	aacttgatca	caacctaact	aaagcccttc	240
tacttgatta	accacacaca	tattctt				267

ttgagaaatc attgcaaatt gttcttgtca gagatgttga tggtaaaact ttttgcgatg 360
 ccttaagtga tgccatatca ccaagaattc cacaaccac aactacagat gaaactgctt 420
 tgacc 425

<210> 34516
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 34516
 agcttgacat cttttgatat atcatacaat cagtttgagg gtccacttcc aaacattcta 60
 gccctccaaa atacttcaat tgaagcattg agaaataata aaggcttgtg tggcaatgac 120
 actggcttgg agccttgac aacatcaact gcgaagaaat ctcatagtca tatgacaaag 180
 aaagtcttaa tatcagtttt accccttagt ttggtcattc taatgcttgc attatctgtt 240
 ttccgagctt ggtatcattt acgccaaaat tcaaagaaaa aacaagacca cgctacagat 300
 ttactatctc caaggagtcc aaacttatta ttaccaacgt ggagtttgag tggcaaaatg 360
 atgttcgaga atattatcga agccacacaa tatgttgacg acaaatatct tatt 414

<210> 34517
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 34517
 tatcataatc gattacatag ttgtttttgt gacaattatt gatttattta ggagtctctg 60
 ttttaattga ttaccatgtc atataatcga ttacttttct ttttataagt gtttcagaag 120
 taaacaagaa cactttaatc gatttctttg agtatctaata cgattacatt gttcttgagt 180
 tgtttctagt tttttggaag aacactacaa ttgattgaaa gataatataa tcaattactt 240
 cattgaatta attaattacc ttgtagattt aattgattac aggcgggttat aactgttttc 300
 tctataaata accacattgt gttctctcta ataacataac attttgagct tctgaaagag 360
 ctatgatcac gtgttggttat tagttaaaga aagaagagaa gaaaagtgtc tagtcataac 420
 ttc 423

<210> 34518

<211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34518

agtttgtata aaattgaaac gacaaaaatt tttatctaag atttccgaat aaattccgta 60
 gtatatcgag acgctcgaaa ttcaaaataa acctctcagc aaaatgaaac gacaataact 120
 ttttactcga atgtccgaat gaatcccgta atatatcgag acgctcgtaa ctgaaaacag 180
 aagctctgag caaattcaaa agataataac tttttactcg tacgtccgat tgtttcctgt 240
 agtatatcga gaccctcgta attgaaacca gaagcccgta gcaaactcaa acggcaataa 300
 atttttactc ggatgcccgga atgaatccca taatatatcg aggcgatcgt aattganaac 360
 agaagctatg agcaaattca aacgacaata actntntact cggatgtccg aatgaatacc 420
 atntaaatcg gat 433

<210> 34519
 <211> 429
 <212> DNA
 <213> Glycine max

<400> 34519

tctggatatca attacgagcg tctcgatata ctactgttac ataatcggac atccgagtaa 60
 aaagttatta tcgtttgatt aggctaagag cttgtgtttt gaatttcgag cgtcttgata 120
 tattacagga ctcaatcaga aatccgattt aaatgggtatt cattcggaca tccgagtaaa 180
 aagttattgt cgtttgaatt tgctcatagc ttctgttttc aattacgac gcctcgatat 240
 attatgggat tcattcgggc atccgagtaa aaatttattg ccgtttgagt ttgctacggg 300
 cttctggttt caattacgag ggtctcgata tactacagga aacaatcgga cgtacagta 360
 acaagttatt atcttttgaa gttgctcaga gcttctgttc tcagttacga gcgtctcgat 420
 atattacgg 429

<210> 34520
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 34520

agcttattat tttgtcggct gctgatctgc atattagcta cccagtaaca ccctattttt 60
 tgtaaaataa ataaggatgc atagttctat taattaaaat aatgggtctta atgtaaataa 120
 aataaatatg tttttacaaa ataaaaaaga tgtcttggtt atttatttca atacggagta 180
 aaataaagct ctctttcaaa attgctctcc cttcttcate tccaaaaact ctctctttct 240
 accgcataca cgcaaatcta tcgcaataaa actatgatcc tagacttgcc aaccattgaa 300
 tcacctgaa atatggacac caccttcata actcattatt gcacattcct attggtgcga 360
 tttgccaaat aatgtctgt 379

<210> 34521
 <211> 430
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34521

tgtaattngt actagatgag aaattgtgtt ttccttctta aagatgatga aactcacaaa 60
 ccaagagggg ggtgggggtg aattgggttc taaatcataa tagactttta aaaaccagag 120
 gaaacaaaac ttcttttcca aggatcgtat cacaaaattt tgataaacca atatttaatc 180
 aatcacccctt tacacaaaat cctttgttaa agtttgcac accctaattt cgtccgggga 240
 cctttgcttg atgacatgcg acctttcttt ggtccttggt aggtgcttgg taccatcat 300
 tacgcaattt gtgaaattcc aggacatgcc gaaaaacaca aataaatatt gatgcacaat 360
 ccgtatgtat ccgtgacaca ccggaaatca aatggaagca tcgttgcatc attaatgag 420
 gggttcataac 430

<210> 34522
 <211> 430
 <212> DNA
 <213> Glycine max
 <400> 34522

tcaagtttgg agaggatgct tcaatggagg caaaaaaaga gggagagaaa gaaagagggg 60
 ggagcatgaa attgaaggaa gaaaaaggga gagaagttga actttgagtt gtgtctcaca 120
 agactctcat tcacaaagt tacaacaagt gttacacatg tttctattta tagactaggt 180

agcttccttg agaagatttc ttgagaaaac ttccttgaga agcttccttg agaaaactta 240
 cttgagaagc tagagcttag ctacacacac cctctaata actaagttca cctccttgag 300
 aagcttcctt gaaaagattc ctaaataagc tagagcttag ctacacacac ctctctaata 360
 gctaagctca cctccttgag atgagaagct agaacttagt tgcacacccc ctataatagc 420
 taagctcacc 430

<210> 34523
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34523

tctnccctat tctgctataa atatgggaat atgtgattaa gaaaagggtt cagcccctta 60
 ggcacttctt tctctttcga atttgctaag gaaaattatt tccgtgaaga taatccaagc 120
 cgaggecgctt ccgtaacgtt tccgtgagta actacgcgaa gattctcgac cgttcttcaa 180
 agattcctcg ttcgttcttc gttttcttca gtcttcaacg ggtaagtacc tcaaaccaag 240
 cttttcaatt cactctatgt acccgtggtg gtccacattt tgtttcatgt atttttattc 300
 tcgttttcat ttacttttta taccctctt tgacgtgctt aagccattta cttaagtcatt 360
 ttctcgctta atctaaaaat aacataaatt tccaccgacg gtttgaattg tatcatcc 418

<210> 34524
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34524

ggcgaaanca gctcggaccc gggatactct gagnacactt ttgcattttg ctagtgcagc 60
 ggcagggccc aacagcgtca acaagggtgt cccaccacg cttcttagca actccaaaca 120
 agagtccaaa aagatgagga agttgctccc tcagttcctt aagcccgcag ctctccaacg 180
 ctacgttgga atcatggaca ccattgctcg aaaccacttc gcttaccttt gggacaacaa 240
 gacggaactc accgtctatc ccttgcccaa gaggtcctaa atacattcac catcttcttc 300
 tttaaagat tcccatgcta ctctctataa tcaaaatatt ttccttttct tcatgttaat 360

<211> 432
 <212> DNA
 <213> Glycine max

 <400> 34527

 tgtagtttaa atttgttttg agttacatat atgggttttg tgatttggtg tcaactctta 60
 tttctcttta tgggtttccat ttcactttga attttattat tcattcctca tgtaatttat 120
 taggtacact aataataaat ggacttgcac aggggaagggtg attttccaac ttagattcta 180
 cagttgcatt ctttatcttc acttcatcac caattacaag caaacataat tataacttgt 240
 atgtatatca tcagttcatc accaatttgt atctatatcc ttacgcaagt ttctgttttc 300
 ttttgataag ttcaagtcac tatcatcaaa tcagttaaat ggaagcattc cagatgcctt 360
 atcattgtta actcaattgt cagacttggt agtttatagc attgcctcat ctcaatacta 420
 agttgttata tt 432

<210> 34528
 <211> 438
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34528

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 cgttactctt taaagcaaaa atggcatata acctcctccc ataaattcaa acatcaatgt 120
 aaatttagag taagcttatg cgcatacttc cttacaaatg ttctcttgca cagcacattc 180
 tattaaccga aaaatgcacc catatacaat caaggcagct tcgttaccta gattatttat 240
 acgtacctcc aaggtgtatt tgttacttac atcacacaca tctccttggc taaactcaca 300
 tacatgcata ctcaagcatt ttggggcacc aaaaattgca catgtgcaca tcttggcatt 360
 tctaatacct acatacgcaa acttcatgat gaatctngac tatctacaca ataaggtgct 420
 acatttcatt ctcttttc 438

<210> 34529
 <211> 433
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations

<400> 34529

ntgaggattt ggtctttgcc agtgaaagga tcgatgtggg tcttttaaaa ggaaaattta 60

gtcatcctgc ttggacgaat gagaaaactg gggcaaatga agagggtgag aaagaggag 120

aaacccatgc tgtgactgcc attcctatac ggccaagttt cccaccaacc caacaatgtc 180

attactcagc caataacaaa cctcctcctt acccaccgcc cagttatcca caaaggccat 240

ccctaaatca accacaaagc ctgtctaccg cacttccaat gacgaagacc accttttagca 300

caaacaaaa aacaccaaca aaaaggaatt ttgcagcaaa aagcctgtag ggttcacccc 360

aaattccgtt gtcatatgct cgaacgcaac gtgtgcttat aatggaggag ccccggtgca 420

ttccattgag cat 433

<210> 34530

<211> 439

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34530

gttatcattc tntctacaaa nnccttcaca gataactacc ataaggcata aacctagtag 60

aactacccat catatctccc aaagacccaa taccacagaa tttcatgtga gaagaagtcc 120

accataacct gaaattcgaa gtcccacaac gtagagggtgc gcttcacgac ttcgaaaatg 180

gcttcctttt gcaatttgga gtagaagtga tgagcaaagt ttggagcttt aatgggcaac 240

aatggtggag gagaaaaggga gaagaaaagc aacgtgggag atgaggaaaa agcttctgaa 300

aatctgctga gcgaagtgag agagtgtggc tntttaaaaa aaaaactttc tttttcctat 360

tgttttatatt cttaacagca cttgccactt gtcccattgt gagtgggaaca aanaggggcc 420

cactttttctc tcgatgtga 439

<210> 34531

<211> 363

<212> DNA

<213> Glycine max

<400> 34531

gggagggcga cgcgagactc acgggtgcgt cttccaagaa aggaaaatgc atggagtcgc 60

caccaacggt tatgtgggga aaacatccga aaaaccgaaa aagacgtggt ctacaaactt 120

tattggccaa caca

434

<210> 34534

<211> 419

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34534

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atttgatcat cctactagga cgactgagaa aactggggca aatgaagagg gtgagaaaga 120

gggagaaacc catgctgtga ctgccattcc tatacggcca agtttcccac caaccaaca 180

atgtcattac tcagccaata acaaacctcc tccttaccac ccaccagtt atccacaaag 240

gccatcccta aatctaccac aaagtctgtc taccgcaatt cccatgacga acaccacctt 300

tagcaciaaac canaaacatc aaccaagaag tgaatcttgc agcgagaaag cctgtataat 360

tcaccccaat tccagtgtcc tatgccaaac ttgatcccat atctacatga taattcaat 419

<210> 34535

<211> 430

<212> DNA

<213> Glycine max

<400> 34535

tgacactatg aaactcagct agcatacaaa ttatccctta actgggctta ggtacttgat 60

tgagacttgg gttcctagga aaaaaagcta taatatttca acttggtctt agcctttatg 120

caatgggaat aggttgaagt tctaggcata aacaaattca gtttgatcac catggacttg 180

tttagtctag acaataagaa cttcttcaaa tagtggaggt tgagttgctt aattttgttt 240

tataggtagc actcattttg ttagttttaga tatgacatgt ttagtcttaa aggttgtaga 300

actttctctc ctattaaagg aaagaatggg ctgatcatca ttttttcta gtggaccaac 360

attagtttgt gtaaccactt gatcttccct cataataatt tatttaaact taatctttaa 420

tgatctcttt 430

<210> 34536

<211> 436

<212> DNA

<213> Glycine max

tcttgtttta agagtagtgt cccactggta aaactaactt tccaaatgtc tgccttcgca 120
 ggaaatggcc ccgaggaagc ttgcctcaca gaggtccagg agggacaagg cagccgaagg 180
 aactagttcc gctccggagt atgacagtca ccgctctatg agcgctgtac accagcagcg 240
 cttctaggcc atcaagggat ggtcgtttct ccgggagcga cgcgtccagc tcacggacga 300
 cgagtatact gatttccagg aggaaatatg gcgccagcag tgggcatcac tggttactcc 360
 catggccaag cttgatccag aaatacgtct tgagtcttat gccaat 406

<210> 34539
 <211> 276
 <212> DNA
 <213> Glycine max

<400> 34539
 gacataagaa actcacgctg agagagaaga gacaagcgga actttctgct tttattcggt 60
 gaccacagag tggtagcttg agatatgtcg cggggggtcag gagaccttgg ggacgacagg 120
 cgggggtgcta ctgccccaaa ccaagcttga ccaatccga cccaaccgg gcatagccgg 180
 tcagtgaaga cctgtgatgt acctaaacag gcgagctcct ggcagtcaac agataaaagg 240
 aacagagacc acaaagcaag gacgcttgcg gaggct 276

<210> 34540
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34540
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 gtcaagggtct gagagaccat acaagtttcc taacgatttc taattatgtg ggccattaag 120
 tctatcatat gctgacaata gccgagaagc ccgtgaatct cttcgggggt ggagtaggtg 180
 tctgccatcg ccttggcctt ggctaacaat cggagaagtt cttgactccc gttcaaggta 240
 agagcaaacc gctccatcca catggntgcc tcttggtgta aagagtcgat cacacttctt 300
 ctagectctt tttccgcata tacttgagca tactcatccg cgattctatg ctctggtggcc 360
 gtggctagac ctaactcttc ttcgtacttg gcgatgatag ctaacatggt ggtctctgtc 420
 tcgcata 427

tcaagtttta gaaggtgtct gccctttgat aagcccttca cttggaagaa gtttgaaatt 60
 ggtaggggga agactgactc tatcttgttt aggtcactag ctgacctgat ttctaccatc 120
 aggtgtttac gtagttcatc tgtaccattt ccttcaacgt ggcaacttat aattgtcatt 180
 tccggctcct caaaaactat aaaatccaat cccttgatat cctcagttcc aacctgtgaa 240
 catcaacca agcttacaac agagcagaac attgacagca aatctaaagc agatagctac 300
 cggaactaa ccttgacagc aatagaatct ggagatgcac gctctatatt agaactgccc 360
 acgtcccttt tagccacttt aacaacatag tcagtatcag gcagtagtcc tctcagacga 420
 taat 424

<210> 34544
 <211> 291
 <212> DNA
 <213> Glycine max

<400> 34544
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 taaatacttt tctcttctgtc tttatatgtg agttttatct ttttctactc ttacatttga 120
 ttcatacttt taaattgaat gtcaattttt ttcaaaaaat ataccaataa taaaaaataa 180
 tcttgatca agatataaat gtttatgtaa atctaaaatt aaaatattta tttactgtat 240
 attaaaatta aaatatattt atttggtgaa ttctttttat caacctgtct a 291

<210> 34545
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34545

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 gatcattttt ttttggcaaa aatttaaag ccccttctgc atgcttctgt atttctttaa 120
 ttccaaggat tgcaataaaa ctaggcatac tcgaatgtaa cttaagaaaa tagatgaaaa 180
 ataagaagca gaaattttta aggtactagg ctgcctccta gtagcgcttc tttacgtct 240
 tgagccggac ctgngatgat gatctattga tcgcggggccc agcacctact cgtacctgcc 300
 cctaagcttt tgaatacaag aaatgacaac atgcagtana tgcaaaacaa catcacaaaa 360

<210> 34548
 <211> 403
 <212> DNA
 <213> Glycine max

<400> 34548

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 taactccctt gagtggcatt tgtattggtt gttatcttgg ttgtttcatc ttagtacatt 120
 ttgatatttg tattgcatca tgcacatcgc tggtttatgt gaagaaaagc ttctaagtta 180
 gaaagtttat tcagaggaaa taactctcta ttttaatcgg ttacatcctc atcgcaatcc 240
 attacaacaa gttgtctaaa gcttaaagag ttgagtctca tattagttta atcgattata 300
 gtagtctttt aatcgattac actgttgttt gagatagtga ctgatttatt caggagtctc 360
 tgctttaatc gattgccttg agcagagtac ttattagacc tat 403

<210> 34549
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34549

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 acaccaatt ctaacttgcc tttcccata tctactatat agttggccat gaaatttgta 120
 gggtcctcct ctatatccat aaccacgaaa tctgcaggaa atacaagctg cttgacttga 180
 ataaacacat cctcaatcac tccatacggc ctagtaatgg agcgatcagc caactggagg 240
 gttatacatg tgggcattat ctctatctct ccaagtcgcc agcacatgga tagaggcatt 300
 aaattgatac tagctcccaa gtctatgaga gctntaccta caacaacctc accaatagaa 360
 cacggtatag tgacacttcc gggatcatta tgcttcgng gaaggatgcg ttgaatgact 420
 gtactacagt tac 433

<210> 34550
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34550

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 actggaatga aggaattgtt actgggggtct ttaagtgaga aaagctgtga ttctggttgg 360
 tgtnntgggc agagttttct gcctttgccc tatnttcttg gctgtgatag ttagtgctgg 420
 ttgaatattg tcttacct 438

<210> 34553
 <211> 438
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34553

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 taattctgac ttgcagcagc ctctatcca ttttctatct ccacctagag caattccaaa 180
 caaaaaagat ggaagaagtg gataaggaga tcttgaggac cttcaggaaa gtagaggtga 240
 acatacctct gctagatgac atcaagcaaa ttccaagata tgccaagttt ctaaaggagc 300
 tgtgcaccca caaaaggaag ctcataggca atggaaggat tagcatgggc agaaatgtgt 360
 caacatggat aggtaaatct gttcctcaca ttcttgagaa atgtaaggac ccagggtactt 420
 tctgtatacc ttgcatta 438

<210> 34554
 <211> 434
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34554

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 ttcaaaaaga attttcagcc tagccaacag gtattgttat ttaattccaa attaagattg 120
 ttttcaggta agctaaaatc caagtgggtct ggaacattca gcatcaaaga agttatgcta 180
 catggagcaa tgataattgg aggatccagc caccaaaaaga acatgcatcg tgaatggcag 240
 tagaatcaaa ccctacttan gtcgtgattt caagagggtg accactgttg tccaactaca 300

<211> 422
 <212> DNA
 <213> Glycine max

<400> 34557

ttaggaggaa gcaggacatg gacgtcagtt taccgttttag cttctgcact tcctaaacat 60
 tggtaggatt gtgaatcact agtatgtttg tgcatttgct ggggttggt tctattccct 120
 gatgtctaata catgaacccc aagaactttc caccgcctac cccaaaagtg cattttttcca 180
 ggttgaggcg catgacgtac ttatggattt ctctgaacac ctcttctaag tatgccacgt 240
 gttaggctat gctttgagac ttgacaatca tgcctcaac ctagaccttg agattttttc 300
 tgatatgttg tttgaagatc cggctctatca gtcttttagta tgggggtgcct acattttttca 360
 ggccaaaggg catgacccta tagcagaagt tagcatccac aggtatgaat gtcattttct 420
 ct 422

<210> 34558
 <211> 363
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34558

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 tgccgtgaga agctagagct taggtacaca ccctgccctc ctacctaggc tgagcttcgt 120
 gagaggctgc cttaatgagg agtcctatag aagctcgagc tgatctacgc acacctctat 180
 gcttgctaag cgcacctgcy tgagatgaca agctagagct tagcgtcaca cccactataa 240
 tagctaagct ccccccatg acacattgca tgagaatata attaatccc tactactaag 300
 actactcgag atgcctctca ttacagggca tacacctat actactagan tggccaatac 360
 act 363

<210> 34559
 <211> 359
 <212> DNA
 <213> Glycine max

<400> 34559

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agtttaaata aattttaaaa ataagaatta tatgaaaata tcattattgt tcaataataa 420
 atatcat 427

<210> 34562
 <211> 434
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34562

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 tgacagatgt agtaggagct tccattgtta gagtgtagtt gttgaagaaa gataacagcc 180
 tgtgagaatc aatctgtgcy ttatttttagg agtgcattgt tgatcaatat tatttttagga 240
 tcatatatat ttcattgttt ctagtataaa tatctacaat tattcttcta ctaagggaga 300
 catcttttgt ttcctaaaac atgtgctang aactttgtat atatttcccg ttgatctgat 360
 caatgaatta tccattcaaa ccataatagt tattgtcttt atttttntga gtgataaaaa 420
 atacacagag aatg 434

<210> 34563
 <211> 429
 <212> DNA
 <213> Glycine max
 <400> 34563

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 caaaatcagc catctgggta cttcaccac caagtaatgt ggcactttat ctagctagtc 120
 tcggttctcg atgcttccaa gagccctttt gagttttccc taccaaattt ctctcaccag 180
 tcaactaacat aacacaaaat ttctgattca ggtctcttcc gcgtatgcgc caccacatca 240
 tcacaatgtc ccacttacat attcgcacat ttatattatt ctaccgtac ttagtactt 300
 accatcttca tttcatacct tatatatata tatatacaac tctcatcaca cactataaat 360
 accctctcat tcttcttctc attccacgca cttagcaatc aatcaacact tccaattaca 420
 atatacaca 429

<210> 34564
 <211> 375
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34564

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 tattgcgatc atctctttct ccgtaaatgt aggtgccact tgagttgcca agtctatcca 120
 tctttgggca tattctatga aagatccgtg cccctttttt gcacatgttc tgtagttgca 180
 tcctatccgg agccatatca naattgtact gacactgcct aatgacggcg accattatgt 240
 ccttccaaga atggaatcac gaacgttcct aagttactat accaggtgac agttgtccca 300
 ataagacttt cttggatgac atgtatcact agtctctcat cttttgcatg tgacacatc 360
 ttttgacaac acatc 375

<210> 34565
 <211> 394
 <212> DNA
 <213> Glycine max

 <400> 34565

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 ccttgtgagg tgcttggcat ccatcattag ccaatttgtg aaattccagg acatgccgaa 120
 taaccaataa aatattgatg cacaatccgt aagtttccgt gactcaccgg aaataaaatg 180
 gaagcatcgg agcataatta aatgaggttc cgtaacattc cgtaagtcaa aaggggggatg 240
 attatgtaat ccgcaagggt tcgtaacatt acggaaagaa aacaagtatc gtcacgaaat 300
 tctaagtttc cgtaacttta cgagaacaga atcacctcat aacagcagag ggggtgcact 360
 tattaataat ggggggtgcaa atagcaccca ggcc 394

<210> 34566
 <211> 390
 <212> DNA
 <213> Glycine max

 <400> 34566

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gtaggaacta agttcattaa ttatattgaa tttctggatt gacttggatc aaacgtgaga 120
 agcgcttaga agctcagcca aagcctcagc caaaaacact gtcgcttgga agctcggata 180
 tgacgctgac accaaaacaa ctcaatcaag ggatcaccaa gagaacacag gcagtgcaaa 240
 accatcaaca atctcttcag caacctctgc aatagctgat aaagccatat aagccaaaaa 300
 cacagtctct tccaagctcg gatacgctga caacaacact gaaactactc aagcaagcca 360
 tcaagagaac acacaaccat caacaatctc 390

<210> 34567
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 34567
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 tgagttctct tcttgatgct ttgttcgagt tgattcgggtg gtgtcatcac tgtatccgag 120
 ctttgaagct acaacatttt tggcagtgat ggctttgtca gctattgctg tggttgctga 180
 ggagatttta tctgtgtaac tgctctcgtt tgatggttct tagtgtggct cctcaacttg 240
 tgtggtggtg taggtttgcg gggatttggt tcgagttgga tattctggta caaattgatc 300
 atgacttcca gctgaagcac aaagagtatg tgttgaatct gttctaaatt gttgctggcaa 360
 gtgtcgggtca tggatccttg atgaagtgtg ctgaat 396

<210> 34568
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 34568
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 cagtagagca attatgacct ttccagcaac agagacaacc ctggatggag gaatcacctt 120
 aacctcagat ggtctagccc tcatgaacaa caacaacagc ctgctcctta cttccaaaat 180
 gctgctggcc caagcagacc atacattcct ccaccaatcc aacaacagca acaacccag 240
 aaacagccaa tagttgaggc cttccacaa cttccctcg aagaacttgt gaggcgaatg 300
 actatgcaga acatgcagct tcagcaagag accatagcct ccattcacag cttaccaa 360

cagatgggac aattggctac ccaattgaat caacgacagt cccagaattc tgactagctg 420
ccttctcaag ctg 433

<210> 34569
<211> 419
<212> DNA
<213> Glycine max

<400> 34569

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ttttcccat atcaactatg cagcttgagg tcaacatgaa tttccttccc aatattatag 120
ggatgtcaat atcttcagag acatccatta ccataaagtc taccgggaag ataaaatatt 180
ttactctgac caaaacatct tcaattactc catatgacct ggtaatggag cgggtcaacta 240
attgtaaagt cattcaagtg gggcatttcc aactctccca atcttctgca catggagagt 300
ggcatcaaat tgatactggc tcccagggtca ataagagctt ttcctacatt gacttctcca 360
attgaacaag gaatcggtac actcccagga tctttatgct tgggtggaag gatcttcta 419

<210> 34570
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34570

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atgggttattt ttgttacatc tgtacttttag gaatagtaaa aacacatggg gatttgtgat 120
tgaaatttat caactaaaat atgctagtaa ataatacatt cttgctttga ttttttagcag 180
agatccacat atgatgaatc tttgaatatt tgcagtgaac taaatgatac tgttattgag 240
gcacaactaa ggacaagaca agttccacct cggcttccaa ccaagactgc aattgaaagt 300
tatcagcagt caactaatcg actgctcatt ntggatatgct gtctcacaat gaagctcgag 360
acttctctga atacatcttt ctgtttcctt gtcttttact ccttatctga gttctttcta 420
caggatactg cttcatttct 440

<210> 34571
<211> 430

<212> DNA
<213> Glycine max

<400> 34571

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ctattatcaa ttacgaggtg atatgatcga ttacttctct tttaaaagtg tttcagaagt 120
gattaagaac actttaattg attacatcaa gaatctaatac gatttcattg ttcttgatag 180
ctttgcagtt tttgggaaga atactttatt caattgaaat gataatataa ttgatcacat 240
tgtatattta attgattaaa gatgggtata actgttttct ctataaatag ccaccttggtg 300
ttctcacttc taataagttc taacaacttt tgaatgagct agaattacga gctgataata 360
atgatacaaa aaaaaagaag aaaaagtgtc tagaaatatt gtgaatcata acttctaata 420
tttgattatg 430

<210> 34572
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34572

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ggatgccccca cattatttcc atgacacaaa tgcaaaaatg atgatttgga aactttacgc 120
aaaactgggtc atgcatgcac ctatgcggac actcaagtgt caaattttta tggatcatgtg 180
atgctagggc tcaggattcg tttctctat tttaatcaac ccaatgtttc caaaatatgt 240
tcttttatca atttgtgcat tcatccgagt ccatttcggg cgtccgnga aatttcacag 300
cattcacccct tcaagtgtag acacattttc caaaaattgc gtatgatcaa tgaatgtttt 360
caaagaaaag ttggaagaga tctctcttaa gagcatgatg gtatttcagc tagacaact 419

<210> 34573
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34573

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tgatagtatg atgaaaaatt gcaagaatct attattccga aaattaaaaa tataaattgt 120
 tacttgcccc ttttttcttg gctaggtttg aatctgttct cagcactttg gaagatgcgg 180
 ttaatgatgc ccccaaagca ccagagtttc ttggccgcat ttttgccaaa gctataacag 240
 agcatgtagt ctctttgaaa gagattgggc ggtaataca tgagggtgga gaggaaccgg 300
 ngagcctctt agaagctgga cttgcagctg atgttcttgg aagcaccttg gaggtaataa 360
 aaatggagaa cggatgatngc tgtttgagtg agatctgcac ga 402

<210> 34574
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34574

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 caaactgcac accctactca cagcctaag atcactggcg actagaccag ttggggtaga 120
 gagacccttg gtccatgtgg atcctgctac cgggaaagca gatggtcctc aaaaaagaa 180
 gttaagaacc tatttgggga tcgtcgctcg tgataagggtg aatgtcacat acgagaattg 240
 gaagcaagtc cctgctgctt agaaggattt gatatgggag gatattcacg tatttttagtt 300
 ntcagtgtgc atattgttta ttaacaaaaa attcaaattt agtaacaata aaacgtaatt 360
 cttcgtttgt caggctgaat gtgatatccc tgaagcatct gatg 404

<210> 34575
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 34575

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 gaaaatggat cttttactct gtacctgcaa ggactgctga cccttcacc tgatagttca 120
 ttgaatcaat tgacaaaata tatcataaga tataagtctc aaagttcata aatagagaga 180
 gccacacggt caaaataagc aaactaacca tgactgcaga aacaaatatt gaaataaata 240
 atataccact attatgtgta gtggatcttt ccaatttttg tacctaaaac tcgattttct 300

tgtaaacc aa ggccaaaaag accacaaaaa cgagacttgt caaccacttg agagcctaac 360
 tgaacttgct tagattataa ttttgctctt acgaacttac aatgttataa cctcggtgaa 420
 at 422

<210> 34576
 <211> 311
 <212> DNA
 <213> Glycine max

<400> 34576
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 ataactcaga catgtcctat cacgttttaa attgagaaac gctttatgtg gcttataaca 120
 agccccacg gcttgggtggg agatactgac taaatccctt ctacaaatgg acttcactac 180
 atgaaagggc catactactc gtcttctatc agacaaccac atcagatcat attcggggcat 240
 actgatgtgg acgacataat gctcggaccg actgcacata tatagtgcac cgaagtctct 300
 catctacgtg c 311

<210> 34577
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34577
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 gaggtgaaaa tctatatattt gtgcagtcca acacaaatct atttctctat aaaattccag 120
 cattggctgg caaaggtgaa acccaatggg gtagctagtc tagttagggc tagaattaaa 180
 gtctagtggg gaactgacag gttgttcaaa cttagtgggt tgttgtttca attgtgaatt 240
 ggttggtgta gtggaatatc atatttaagg gtgaggacta gacatagccc aagggttaggg 300
 tgaaccagta taaaaacctt cgtgcattnt tctatattct tactcttgac tntgttttgc 360
 atagatctga caaaatactt ttgatcaaaa cattannatt gttaaccttt catcttaaca 420
 actaaactg 429

<210> 34578
 <211> 402

<212> DNA
<213> Glycine max

<400> 34578

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cttctcctcc tttgggctca cggttaaagc aagaaaaagg agaggaaatt ggttggtttg 120
tgtctttggg tggctaattgt aaggtgagag cagagagctt ttacttggtc actaagtaga 180
aatgaacaaa taaagagaga ggtgggtgag ggagtcaggg tcaagtgttg aattggataa 240
ccaagttgtt ggggagagat tttgccttgc atggtcagtc ccctttccct ttggtgggtg 300
cggttttggc atgatggccc tttgggggtt atactgtgta attatcttac acagtgtaat 360
cttgatttgt gaaatctttg caatagaatt taattttcta ct 402

<210> 34579
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34579

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ttcatctttt tttattctcc tctccctttg ccaaaaagaa ttcgccaagg actaaccgcc 120
tgaattcttt ttgtgtctct cttctccctt ttccaaaaga acgaaggact aacctctga 180
attcttttgt gtctcccttc tcccttttca aagaattcaa aatgacacag tctgagaatt 240
cttttgatgc ttccctttcc cttaaacaaa agattttcaa ggactaaccg cctgagatat 300
cttttggttc ctcttcacan aagttcaaag gactaaccgc ctaagaactn tgtcttaaca 360
cattagaagg tacatacttt gtggtacaag tagagggtac atctac 406

<210> 34580
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34580

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tataaccatc aagtctaacc aaaagcaagc atgctagtgc tatgcataga gcctgaagat 120

<212> DNA
 <213> Glycine max
 <400> 34585
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 catatgcagg gagcatatga ctaagatgtg gtccgtgtgc tctggagact tcatggatat 120
 gtgtattggg atgtgaaaat gtgtttcttg ccattgctcc ttttttagca tegtgtattg 180
 tgttgaccaa ctcatagcac atattgttca cctttatcga gttgtatatg ttcatatgga 240
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 gcgacaccct ctacccctga cata 324

<210> 34586
 <211> 418
 <212> DNA
 <213> Glycine max
 <400> 34586
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 caagagaaga taaagaacac acattttccc ctttttcagg atatatacac agttgtcata 120
 tttgtttcta atgaagccat atctgatcaa gaactcatca aatttcaggt accacattcg 180
 aggactttgc ttcagttccat acaaataatt tttcagcaag cacaccttgt tctccccttc 240
 ttcaaacct tctggctggg tcatgtaaat gggttccctt agatttccat ggagaaaagc 300
 tgtttaacat ccagctgttc aagttccaaa tcatactgat ttaccagacc aagtatgatt 360
 ctaaatagagc aatgcttcac aactgggtgaa aaaatctcat tgaatcaatc cttcacct 418

<210> 34587
 <211> 435
 <212> DNA
 <213> Glycine max
 <400> 34587
 agtcttcaac gttcattttc gagcgtctcg ataagttacg ggactcaatc agacatccga 60
 gaaaaaagtt attgtcgttt gaattagctc agaagttcaa cattcaattt cgagcgtctc 120
 gatattgtac gggactcaat cagacatccg agtaaaaagt cattgtcgtt tgtattggct 180
 cagagcttca acattcaatt tcgagcgtct cgatatatta cgagcctcaa tcaaacatcc 240

gagtaaaaat ttatggtcgt ttgtattggc tccgagcttc aacgttcatt ttcgagcgtc 300
 tcgataagtt acgggactca atcagacatc cgagaaaaaa gttattgtcg tttgcattag 360
 ctcagaagtt caacattcaa tttcgagcgt ctcgatatgt tacgggactc aatcagacat 420
 ccgagttaaa agtta 435

<210> 34588
 <211> 430
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34588

ttcagccaat tcacccgaca ataacttttt actcggatgt ctgattgagt cccgtaatat 60
 aacgagacgc tcgaaattga atgttgaagc tctgaactag ttcaaacgac aataactttt 120
 tactcggatg tctgattgag tcccgaata tatggatacg ctcgaaattg aatgttgaat 180
 ctcaaagcca attcaaacga caataacttt ttaactcggat gtctgattga gtcccgaat 240
 ataacgagac gctcgaaatt gaattattgaa gctctgaact agttcaaacg acaataactt 300
 tttactcgga tgtctgattg agtcccgtaa tatatcaaga cgctcgaaat tgaatgttga 360
 ccctctgagc atattcaaac gacaataact ttnttctcgg atgtttgatt gagtcccgt 420
 atatatcgag 430

<210> 34589
 <211> 375
 <212> DNA
 <213> Glycine max
 <400> 34589

acacaagcag atggagaaca gtcatttttt gcacaacagg gaacattgca gttcaagtat 60
 cccaagcaca tggcaggtag tgattttgat gcaacggcat cttattatca caataaaatg 120
 ctccactatg tcgaaggctt gggcaactga tgagaccgta gcctaactct cttacggccc 180
 ttggaaacag cgaatgcaga caaactatgg acagcgagat ctaaaactga caccaatgca 240
 tgcatacccg gaacgagggg cgcccgttca acgctctaaa ggaccaggag gatgtaacat 300
 gaatatttgc cacctaaaga aacaagtaag aaacttaacc ccactagaaa gcccggcccg 360

gacattctca cattg

375

<210> 34590
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34590

agcttttagt tataattccc aagggtggtca tatctctctt gatggtttct agaggtatca 60
tcccccttga caaacatatt gcagcagtag ggactaccag caactatatg ttatcaaaga 120
gaaaaactct agatgaggggt tcattgttat caagcaagtc agagaccag catgaccaca 180
gattcacctc aactccttat gttcccatgg acccggtat agggccccctt ttcaattcac 240
cgtgtgtgca aaaaagggtg tgggtgtgtg tgcacaaat gaatgcatat ttatcacatg 300
catacattan aacacgctta nagcatcgaa gaagtttata caagaacata taggaaaagg 360
gaaaccgatg atagggaaaa cacaactttt gcacaaaaga ataataggcc taactctcta 420
anaacag 427

<210> 34591
<211> 427
<212> DNA
<213> Glycine max

<400> 34591

tcttatccaa ggctcatctt ggtggtgaag ctctttcttc catgacttat tccctagtgg 60
atggcgctc ctctcacctc ttctccttg tcttccactg catctccatg gtggaaaatc 120
accattaaag gacctcattg aagctcaaag atgcaacctc catagaagcc ccacaagcaa 180
gcttccatca agtggtaatc agagcacaag agcttcaagt aggtgctcct taaacctcca 240
ttaatttttt gctttacctt ctcttcatt gttgtttctt cttttttct ccatgtatct 300
cctcacatgt cttgtgataa atgtttttta catgattctt tagagtttcc accgattaaa 360
cttgctatag aagctagatt tgattttcta tgggtcaaata ttctgttct tgttggtgaa 420
ccatgaa 427

<210> 34592
<211> 439

<212> DNA
<213> Glycine max

<400> 34592

agctttgaga tggagttcat atatgaatgt ggctaaacat actacatttt gcttaggaga 60
ctcttttagt taaggttcat gattatgaat ttaaaaattt ctaaacaatg taatgcatct 120
ttcttggttac ataatctgag aaatttaaag acattaaacc ttcaacactc ccgacatcta 180
attgagatcc caaacatatc caaggaaaaa aaaaacttgg aaatgttaat ctccaatggt 240
gtgaaagctt gcatcaggtc catccattaa tgatatctct tccaattct acacatttgg 300
aattaagagg ctgcatacag attgaaaacc ttgatgttaa atcaaaatct cgacttcgtg 360
aaccttttct agacaatcgt ttatctctca agcagttctc agtgaaatcg aaagacatgg 420
caagtttgag ttacatgac 439

<210> 34593
<211> 429
<212> DNA
<213> Glycine max

<400> 34593

tgaaggatcc gagaagcttc ttcacaatag tttcttttat acttttcatc ggcttgtttc 60
aaaagaaatt ttttttacct aaaattagtc ttgcttttgc ttattttaat tgttgaaatt 120
tgttttactt atgaggtggt tgacaaaatg tttctaataa aatcaagatc ttttttggtt 180
taaattttta gtttcaattt ttgtatatgt ttcttttttt gtaaaaggct tgactagggt 240
acatttctat gtttcatttg aacatgatct tattaagctt gaaggatccg agaagcttct 300
tcgcaataat ttctttcaga cttcacattg gtttgtttca aacatgaaat ttttttacct 360
aaaattagtc ttgcttctgc ttattttaat tgctaaaata tggctctgctt atgacgtggt 420
tgacaaaat 429

<210> 34594
<211> 316
<212> DNA
<213> Glycine max

<400> 34594

agctttaaga ataagatggc ctcagcaaat tccttatctc cagaaggaaa ttctatcaac 60

agaccttcaa tctttaatgg agagggttac cactactgga aaacccgaat gccaatTTTT 120
 atcgaagcca tagaactaaa tatttgggaa gccatataaa taaggcctta tatacccacc 180
 acagtagaaa gagcttcaat agatggtagt tcatccagtg aaagcataac catagaaaaa 240
 cctaaagata gatggtctga agaggagtat aaacgagttc catacaacct ctaaagccaa 300
 aacataataa catctg 316

<210> 34595
 <211> 423
 <212> DNA
 <213> Glycine max
 <400> 34595

tgtgcaaate aaatcactcc tacatctcat ttctattatg cattttcttt ctttaccac 60
 tcttcacgtt tggtttttta gggaaaaaca ccataactaa acgcgccgca agggatccct 120
 atcgcaccag atccaaatct agaacgatgg gtgatcaaga ggagacgcac gaacagatga 180
 aagccgacat gtcggctctg aaagaacaaa tggcctccat gatggaggcc atgttaggta 240
 tgaaacagct catggagaaa aacgcggcca ctgccgccgc tgtcagttcg gctgccgaat 300
 cagacccgac tctcttggcg actacgcacc atcctccctc aaacataata cgactgggaa 360
 gggacacact ggggcacgat ggcagccctc acctgtgata caaccgagcg gcttactctt 420
 atg 423

<210> 34596
 <211> 573
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34596

cgcgcaccca cagcaatata tagacnacgc accgctaccg ccatatncan ncacccccaa 60
 gcgagganaa ttgagccaga aacctcgaca atcaaggcga aacgagcgcg gacnccggga 120
 ncctctagag ncgacccgca agctatgcag cttcaacatc caagacatca agagaacgcg 180
 aacacacaca cgaaccagcg actacgccga caccgcctct gaaagacaag gaaaaggcac 240
 tggcagcaaa actaaacaag ctctggactg catgcgcacc gacaccatcc gagcacgaca 300

cctaccagac gcaggccgaa cacaacccag atacgacgcc caaacatacg ctgcatacc 360
 cacaaccccg gcagcgccac cgccggaaca acagaccttc acaagaacaa acgcgaaccc 420
 cgaccaacac ccaacccggc cgcgccaatg caccacccc acgcccagca accacaaacc 480
 taacagcccc ccgaggagcg aaccaccaa agcacgccga cgccacacag acacgcagac 540
 acaggacaaa cccctcacga gcacagccca ccc 573

<210> 34597
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 34597

tatcaagctc ttcaatgaga gatttggttat ttactgtttg catttccagg ctgctagtgc 60
 gggtttctat ctggacataa caaaagttat taagacaaaa caaagtaaga ggccagtgc 120
 tttcaagaac tcctacacct gaaattatat cacctagaaa agcaaataga actgaaatag 180
 tgaaatctca taaagcagaa agcaacttcc acagcagcac aaaatgggtca ctgtagaaat 240
 aattgtgacc ataattcaac ttacaaaagg taaaatccaa ttcatattaa tatcatttta 300
 aactcactga aaatatttgg catgaaccaa ctgtcccaaa atatttggcg tgaggggtgcg 360
 ggtgtgtcgc tgccgttcga cgtcactgcc attcctcgct gctgg 405

<210> 34598
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 34598

tgtaagtatt tgttggtata attcgctgt tccattttgc ttttattgtc tctagagggt 60
 acttctctgt tgacatcttt tgttctgaat ggaattgcc taacagggtc gctgttactg 120
 tctttgatat ttggtagctg acattgtgtt gtgggaggta attccgattg gattaactca 180
 ccatccttca cttgccatt tgttatgaca tttgttggtg gatcacctat gatgtcttgt 240
 ttccaagggt aatctatatc ctttctgatg gcataagcat gaaaccaatc aaagaaaacg 300
 acatctatat ttgactctgt cgacaaattc gtataacttg tcttggattc gccttctgtc 360
 tgtacccttg taatgttgga gaaaccatct cct 393

<210> 34599
 <211> 404
 <212> DNA
 <213> Glycine max

<400> 34599

agctagtgga gccgaggctt cgcacgaga gaagagagaa tttgaaattt tattctttca 60
 actaactaaa attcctttta aaattctaaa attttgaatt ccttttacta aaatatttaa 120
 acagttactt ttaataaaaa agaatttaatt tccctataaa agatacatta cttagttaaa 180
 ttatcctatc caaacacaca tttttaacaa gaaattgtag attgattgct ctacaattga 240
 tgtatttaat taaactatga actgaggaag aattctattt cggaacttct gttatgtagt 300
 tatgaatgat tattaataaa atgatagggtg cacaagtgc aaatatgaga gtaaagttga 360
 acattttttt taatctgctc caagacatgg ttctcacaat aatc 404

<210> 34600
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 34600

taagggtcct tagtggcata atcacacatt atattttgta cctctaaaaa tatcatatga 60
 tataagaatc aaacttatat aatttcctac caactaaaca tgtgatgatt aaagcctatg 120
 aataatattt taatttcttt attagataat aataataata ataaatatcc ttgaatacat 180
 cgtctogaag ttgcatacat acgtagccac aaataaatgt tacatatgta aattatatca 240
 cagtaattct aaagaataaa taatcttttt aaaaggacaa ttttgatata ttcatatatc 300
 tttaagtaga tataattttt aaaacataag atgattatag gtattttgct agatatcata 360
 tagagataat gatataattaa agttgatgta acatatcctt gcctaagtga tcact 415

<210> 34601
 <211> 428
 <212> DNA
 <213> Glycine max

<400> 34601

agcttgatt actactaatg tatgctaag ttggtggcag ggaagatgca agtcacgaat 60

gagttattgg tgaacaatag ctattgggct gaaagagtaa gcacggttgt gctttataat 120
catatcttct aattgttagg gataactgcg taagtgcac ctagcttggtg ttgtgaatcg 180
taaaaatgta tgccttgga aggacatggt tgatatttta tttttgttgg aagagtcata 240
tagtaaaatt atgattatct agctactcat tttgtgttgt cactgtttta aataattgaa 300
ttgcctttcc attcaatgcc attgttttgc actgggtttt attatccatt gctaattatc 360
tgaagattat gacgtgggaa cttgccttga atctgtgcgg ctttgacgag aaacatattg 420
tagcatat 428

<210> 34602
<211> 403
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34602

agtcacaaag agaataataa tttgtgacta tggcatgagn tncaaaaaat catccttcaa 60
caaccatatt atcaatcatc tttgaatcat ctatctttta catcatcttt caacatcctt 120
gaatctatct ttcaacatct ctcaatatct tctttcatct ctttcaaacac tttcaacaaa 180
actttctaata tcatttctct tcacttttct aaaagttttt tatcaaacact ttctcttcca 240
agaaaagtgc tttgttaaaa aacttgtgtt attcatcttt ttcattctct tctccctttg 300
ccaaaagaac aaaggactaa ccgcttgaat tattttgtgt ctctcttctc ccttacaaaa 360
gattcaaagg attaacgcc ttagaattct tttgattctt ccc 403

<210> 34603
<211> 351
<212> DNA
<213> Glycine max
<400> 34603

tttcaagctt gccttgcccc ttgatataat cgagggactc atggtcacta tgaatgacaa 60
attccttggg ataaaggtag tgttgccatg ttttcaaagc ccgcactaag gcatacaact 120
ccttatcata agttgaatag ttaagggttag gaccacttaa cttttcacta aaataagcaa 180
ttggatggcc ttcttgcac aacacagccc caatcccaac atttgaagca tcacactcaa 240
tttcaaaaga tttttgacaa gttggcaacg caagtatggg ggcattagtt agcttttgct 300

taagaacatt gaaagcttct tcttgtttct ctcccatgt gaaaccaaca t 351

<210> 34604
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34604

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ccctatctaa tacaatacta gaaggaattc catgcaacct tactactccc ttgatgtaca 120
actccactag cttctacatt ctatacttca tattcaccgg aataaaatga gcagatttgg 180
tgagtcgac tactatgacc cacacaacat catgtccacg actagtcttg ggtaaactag 240
atacaaaatc catagatatg ctctcccat tccattccgg aatttccaat ggcttcaatt 300
ctcctgatgg tcgctggtgc tcagccttag ccttttgaca tgtcaaacat cttgctacat 360
attcagctac atctttcttc atgcccacgc caccaaaact tctcttcaaa tcttggtaca 420
tcttagtcat t 431

<210> 34605
<211> 327
<212> DNA
<213> Glycine max

<400> 34605
gaatctgtac ttccaaagag ggagcgccac ccaactccacg tcattacaaa ctacctcatt 60
tcttctctta tagcccttag ccgaatacac cttcgatagg gtctctatct gacgcttaac 120
cctctcatgc aacttggtta caaactctga cctacattac ccttctttat gtataaaata 180
agtgtcgagt gggaggggaa tgatgtctac aggcgactag ggattgaacc catagacaac 240
ctcaacacga gatagcttga tggttctatg aaccccccta tatgaggcga agtgtacatg 300
acgaagatac tcatcccaag acttatg 327

<210> 34606
<211> 408
<212> DNA
<213> Glycine max

<400> 34606

tatcataatc gattacatag ctctttttga gacaattatt gattcttttag gagtctctac 60
 tttaatcgat tacttctctc ttaaaatgtg cttcagaagt gatcacaact ttttaataaaa 120
 atagaataag gtgtcgtaat ggggtgcaagc tatgtaattg attacatcaa gaatctaate 180
 gattacattg ttcttgaaat ttttccagtt gttgggaaga acactttaat tgattgaaat 240
 gataatataa tcgattactt cttccaaata atcgattaca ttgtatatatt aattgattac 300
 atgcggttat aactgttttc tctataaata gacaccttgt gttctgcctt ttaataacat 360
 ctaacaactt ctgaatgtgt tagaattatg agctaacatt agtaaaac 408

<210> 34607

<211> 318

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34607

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 tcaccatttt aattattgat tagccttaat tgtcaaatta attatgcagc tttatcattt 120
 gggcctactt gactaatttt gtgtttttta ttttaatttca ggagaaatat aagccattgg 180
 gcttggacat gaagagagca gacaatttta ttttattaaa tcttatctta tccagatttt 240
 atttcgtcca gattttattt catccaatct tatcttatct tgtccagatt ntattttatt 300
 ccatttatgg gcttggac 318

<210> 34608

<211> 422

<212> DNA

<213> Glycine max

<400> 34608

gcttctacaa tctccccctt tttgatgatg acatcttctg aaatcaagaa acactcacac 60
 actttttcct agtcgatcac tcacataaat tctccccctt tgtttttgaa tctatgctta 120
 tcttaaaaat aagttgatta ctcatgtgaa ttcttgattt aatcccattt ctctccccct 180
 ttggcatcaa caaaaagcca aagtgcgtat caaacttaag gtatacaaat ataacttaaa 240
 catccataaa atgttcatga aaaaatatca accaaatcat gaagcaagaa gcaagaacca 300

aatcgtcacc ttatgagcat aaaggaatga aagggaacca cg

342

<210> 34611
<211> 429
<212> DNA
<213> Glycine max

<400> 34611

tgtagaatgg ccccatcatga tacatgtcag ggcttgtttt ggtttatgga taaaagggat 60
gccccacatt atttccatga cacaaatgca aaaatgacga tttggaaatt ttatgcaaaa 120
ctgggttatgc atgcacctat gcggacactc aagtgtcaaa tttttatggt catgtgatgc 180
tagggctcag gattcatttc ctctatttta gtcaacccaa cgtttccaaa atatgttctt 240
ttatcaattt gtgcattaat ccgaatccat tttgcgcgtc tgggaaaatc ttcacagcat 300
tcaaccttca ggtgtatata cactttttca ataactagtt atgatcagtg aatttttcca 360
aagaaaagtt ggaagtcac tcttttcaaa agcatgttgg tttttcagct tgacaactta 420
tttgttctt 429

<210> 34612
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34612

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taagcttttc ttaacacaaa aatgacatgc taatccctcc gatttagaat gaactcatgt 120
acacttttaa tgtaaaatat ttatgcacat gcgtatgtgt agaatatccc actatttatg 180
tcaacgtaca aggacatcca acacattcca actgccatac atatataatt ttgaaaagaa 240
cacacattct catgctctan gcaactgcgtc anaactcaca cctaatacaca tcctanatat 300
tttgctatca caaactacct acacatattt ganacatata tcatacaggc tntcattggt 360
tcaactcacat ttatttatat gcatattgga gagctaatta cgtcatgcac atacttgcac 420
tc 422

<210> 34613
<211> 419

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34613

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 caaaagcatg attgattaga gaaacatctt tatatgcatt agctgggtctg ttagaaagac 120
 ccaacatttc tacctactgc tgtcaatttt atttacttgc atttttacta tttttagccc 180
 agacttagtt caatcctggt ttaaatcatc aaatatcaat gtttctttcg acaatgcctt 240
 atttctgaat ttaaccttgt cttagactag ttccctgagt tcgatactca gattcatccg 300
 ttttgatttt aaatacttga tgatccgatg cgctttccgg caaacgaaa ttacatcagt 360
 tgttccttag aaattcgcaa caagagtgtg tagccaacca tatagaaaaa ccctaacac 419

<210> 34614
 <211> 424
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34614

 ccngctacct cgaaaccagt acgttggtgc atatatactg actcctcaag aaacccatat 60
 agcaaagcat tgctcacatt aagctgatat agttcccacc catgggaaag agcaagagtg 120
 atcacagcac gaattgagac aggccttgacc acaggacaca atgtctcatg aaagtcaaaa 180
 ccatggactc gatgaaagcc cttagctacc aaccttgctt tgaactagtt gatggaacca 240
 tcagcatttt cttttactca gaaaaccaac ttacacccaa tggcttgctt attacaaggt 300
 acgggaacta agtcccaagt tctgatctca gcaaagcacc atactcttgc tgcattgcac 360
 caaccaatcc gaatcttcta cggcctgttt aacattatcg ggtcccgatc gagcagcaat 420
 aacn 424

<210> 34615
 <211> 430
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34615

gatgtcacct ctaacacgta gaagtaatta gagagcattt agttgttggt ttggctcttc 300
 aaattgggtt tctactatt gtttcaatag cctatgattt attttttgtc ttctatgaat 360
 aatggcaatt gcagccctga tgggtctatgg gacaatgaga gtgactcaaa gaggatgcga 420
 ccc 423

<210> 34618
 <211> 419
 <212> DNA
 <213> Glycine max

<400> 34618

agtgtgtatt tgaagttctt gagaggtgct gaaattgggt aggcaatagc aaaagacata 60
 ttccctgct ttcatttact ggaagatcaa acgtacttca tctctctctt attttgatta 120
 aacattgtaa tctttatctt tttttatgtg actacaatgt acattacatt ctcatgatag 180
 catatgtatg atacgacctc tattagttag ctaacaagtg taatttatta taattatgta 240
 gaattcattt tttttgaagg ttccattggt tcttattcta aatacctatt cttattttat 300
 aacatatatg gtagtagctg caacatataa attggcattg aatcttacga tatgcttctt 360
 cccctaccaa ttattctttc agttagaaca atcactagta gttatcttct tgatttata 419

<210> 34619
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34619

tatcttacct atttatctcc cagttgtctt tgcatatatt caatagataa aaaacatgaa 60
 gttctaattc aagatgtttt ctttgttgca tgggcataat gcaatcactc tatgtctagc 120
 aatgatttta ttaagatgtc cctacctttg agttctacta aaaattatcc tctctcgagc 180
 gactaatctc taaaactgat gcatataaaa ctttcaatgt atttctacta aggattaccc 240
 tctttcaagc gccaaacccc taaagatgat gcaaggatga agcatataat acatttgttg 300
 gcatttttagg cctgccaaagc cctaactaaa ggggttttagc ctttcattgt catgagagac 360
 tcttacactt tanggggttg atatggatgg aagaagatgg atggatagag gaag 414

<210> 34620
 <211> 473
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34620

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 cgggaaaaga ncttttcgag ttttttgaca cccctccag cgctctgctt gcctatgagt 120
 ccatagtgcc ttcccttctc ggaacatgtc tgacaaactt cttgcaaagc cctagccaat 180
 ccttacagat agttgcgcgc atcaaatttg tacgcctaac tctacattat gaattagggtt 240
 ctcataaagc tgaacctatc gttttttaa acgctataat gaccaacggc tatggtgacc 300
 gacaacattg ctcgattctg ataacgacca aagcaagtcg ctaaccatgc gatgatagtg 360
 ccagtgcgcg cctgagccca ccacttcctt ccacctaata tccaatagct acaactcaca 420
 ataatgttgc ccactacagc tctaaaagca attatacaac tgcacttaac ccc 473

<210> 34621
 <211> 352
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34621

agcttcgtta ttcagctcta gtgctggacc ttgcoctgac tttttgcttc ctggaccacc 60
 atgatatcaa gtttgagcca agaaagatag ctgctcctga tgtggaacgt ctttcatcaa 120
 tatctgatgc ccaatcaaca tcatagaaag catagagtgc catacgttgt gaaacagaag 180
 cagggcgaag gaataaacca tgacaaatag tacccttgag atatcttaat atccttttga 240
 ccacaacgca atgagaatcc aatgaattag ccatatactg acaaacctta ttaacatcat 300
 acctaatctc acgtctagta tgggtagcat actggagggc acncactact ga 352

<210> 34622
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 34622

gaaactaagc tgtatatgaa ctttctcttc attgctacta ttatctttat tagtttcaaa 60
 ctatgcttcc aacatagcaa gatcatgac taaaacaccg aggtgaaatt ggatttgctc 120
 atttcagtca gagaagttaa gccattaaa attggcacat atgatacata agaattcagt 180
 gaattgagaa catgtattac ataataaaat tcacataagt gtttcgagac ataaaataca 240
 tgtcacacac ttgattcatt cagataacgg tcaatgtata ttaatgttct cctttgggtg 300
 atacaccaac acataacata caaacataat gatgctaata aaaattctta acattatttg 360
 gcaattaaat atgcaccaat tagtagtata tatgtccttt gggcttatac ataaaactaa 420
 tgatacacac aaa 433

<210> 34623
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34623

agtcttatga tgatgaatta agttgattca agtagttttg atgatgaaaa agatgatgac 60
 aaaaagccca agaaaatgat ttcaagattg agtcaacaag ttcaagatca agattaattt 120
 caaatttcat gagaagaaat caagaagatt caagaatcaa gagaagtttg atttcaagat 180
 tcaagagaag atgaattcaa gattcaagag aagaaattaa gaagacttca cgctgattag 240
 aaaaaaaga agaagacttc acaagggaag tattgaaaag atttttcaaa aaacaaacat 300
 agcacagtnn tgtttttcan aagagttttt ctcanaattt tctaagttac cagagttntt 360
 actctctggt aatcgattac cagtttccta taatcgatta ccagtggcaa agtttgatat 420
 caaaagc 427

<210> 34624
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 34624

taacaccgat gactatccca acatagctac tgagtatgga atcagaagca tatcaactgt 60
 tttgttcttc aaaaatggag aaaagaaaga aagcgtagtt ggtgcagttc ccaagtccac 120
 tttgtccgca acagtggaga aatatgttga tgtataaact ggaaaggaag aaaatgctat 180

aacaaggaac gcttgatcat aaattatgga ccattctgct tttaatgggt ttcaacactt 240
 caaaaagtac tttgtatcca catcttttac aacatttggt aaagattaca ttgtataaat 300
 tccctcttct cttctctgct gttccttctg ccatacatta cagttcactt cgccaaattc 360
 tcatgccaag ttaatttggc accattactc caggtttggg agtaaactga aatttcaatg 420
 tct 423

<210> 34625
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34625

agctttgctg caatattaaa atattgttta aaaccaatct tgggccttca tctaaaaatt 60
 taagctggta gtgtttgggt aagacacatg actggtttta tatctcgaat acttcttact 120
 tctcttcttt tccagttttt cttggacttt ttgtatttag tctctctttt ttattcaaag 180
 gatttagtat cctctccctg gttagtgggt gttgctccct tttgtcttta atgaaatttc 240
 ttcttctata aaaattattt gttttgctta cttcctggca taggtatccc agtcatgacc 300
 agagctcana cctgccaccc tttggatcca ctatcagctg ctgaaatata agtagctgta 360
 gctacagttc gagctgctgn ngcaaccctt gaggtagatt tcttgattnt ctttcattga 420

<210> 34626
 <211> 419
 <212> DNA
 <213> Glycine max

<400> 34626

tttgttgaac aaagaaattt cttagtgttg aatgcatttt aaatcttatt tcactttcaa 60
 aacttgtaaa cacagttttt cagtttgcta atttaaatta gtggacaatg atcttttcta 120
 ttaactagat agtaacatta aaaacaaaat tagtacagca ttaaaaatag catggtgcaa 180
 gtaatttatt caaatttgta atatgactgc catttttagtt gagacaacat tatcgtcaac 240
 aagataatgt ttgtggcggc taactgacat ctctatatca ttaaactaat gcacctgcaa 300
 tgttcatcga atcaaattat atttgccata tcaattcgt tagctactaa atgagccttg 360

atctacacgt ctgttccta attcgacgat ccttggagcc atcataatca taccgatta 419

<210> 34627
 <211> 378
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34627

tcaagttttt ggttggttaag aatgcaaaaa tataatttct aaattgagag atatattttg 60
 gtttctaaga atatttatag tgaaaataaa gatgcaaaat ttgacacact ttcaattaat 120
 attttttcat atgtagaat tcccaaactct aatttaaagt taccctgtaa ccaaaaatct 180
 gaacttatct gttaaggat ccaaactctt cctatttggga caactactcg ttgggtcaat 240
 tgagattntg agttgctatg agaatgaatt ttagtaact aacggatatt ntcattgaaa 300
 ggaaaacaaa attttccata atgaacacat gatgttggaa gaccataaca aagtttccac 360
 tcatctagat ctttgatg 378

<210> 34628
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34628

tactcagctt cacataggag ctgcatcatg tggatcatt agcattttca tctangngat 60
 gttcttttgc ttctctatc tttttattcg gtcaattcac tttaattcct tgttcttcat 120
 cttattctcc atgtatatcc ttcatgtct tgtgttttga tgctgttttag agtatattca 180
 aaaaataaac cgattaaatc ttagatctac acttgttctt gcatttctat ggttcaaatt 240
 ttatatatct actcttgaat catgtttttg tgttgatttt aggttcaatc attttccagt 300
 cataatcttc ttgtactgaa cctttaaatc taaattntat tccaaaatat tgattataaa 360
 aaaagcacan aaatctaagt gtaaactact taatctatgt tgtcttagag tcatgtntag 420
 tcataataat 430

<210> 34629
 <211> 434
 <212> DNA

<213> Glycine max

<400> 34629

agctttgggtt attttttagca acgggaccct ttttaatttgt ataattttatt gtgtggaaaa 60
agaaaaaacg acaataataa tatattgctt aatgtatttg atccagcttg cttctgttct 120
tcttggcgat ctgtattctg tacagagatg atccatatta tatcactc tatatatattt 180
tctatgatcc ttgatttaat gtgactgaaa gagaataatt gagtggaaaa gaacaacaaa 240
agcattgaat tttagtcact tttactgaga caacgttatg aaatagctgc catatatggt 300
ctccataatt gtgcttctgt atttttcttc ttcaatcatt atcaccaaatt cattatttgg 360
tatctaggta ctctacaacg gaggaatcag tagatatagc tgatgttcta tcattaggtc 420
tcattacgca tcat 434

<210> 34630

<211> 447

<212> DNA

<213> Glycine max

<400> 34630

tctataatac tcagcttaat aaatgagagg aaaaaaaca gagttcttgt aatatctgtg 60
aaataatttt tgtagagatt attttcagga gtagaaaagt cactccgttg tttagtaatt 120
ttgaggcatt taattaatct aacgtatcag attttgagtt tcacacacaa caataattcc 180
ttttactttg gatcacttgt tattgttgca cgcgtagctt tctcacagtg tgaagggtgat 240
gaaactgggg tttagtagtc aatcttgttc ttaattgatt gtgtcaaaca ctcaatgtca 300
tttcaatccc ccattctctc ccctagatt tgggcttgcc taaaacaaca ccaactcaaa 360
cctaacacct gttcacgaaa aagatattcc aaattagggg aaggggcaat tgaaaagaga 420
agggctaac ggtaaatga tcaatga 447

<210> 34631

<211> 412

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34631

agcttgtgct ttataaatca ctctacatt ntatctctag catgcatagt atgttgggtc 60

cgctccttgt cacgggaagc cggaaggtcc atctcacctt cttaattgta cacatggagc 120
 actgcgcccc caaatgcgca agtaagaaga gataattttc cgggctctcg tgtccgtaaa 180
 atgcattcat atcatgcac gcataagcat ctcttcataa catcataatg gacatatcct 240
 gcatttgtcc ggtcatggca tcacatgca tatgcgttca acaaactttt tgggtctgcaa 300
 aattgcatac catttgtttt catgtttgct catccttgcg tttcctctac aaaacataaa 360
 aacatataat gtggggagcg tgaaacttca cactacattc ttagtttcat gt 412

<210> 34632
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 34632

tgaaggtgtg tagcccacca tcttttcata gtagaattct gggtatgtgt ctactatcat 60
 tgtcatcatt ttttttctcc gtcattgagg tgccacttga gctgccaggt ctctccacct 120
 ttgggcgtat ttttttgaaa gatctgtgcc ccttttttgc acatgttttg tagttgcatc 180
 ctatccgaag acattatact aacactgcct aacgaaggca accactaggt ccttccaaga 240
 atggactcgg gaaggttcca agttagtgta ccaggtaaca gctaccctag taagactttc 300
 ttggaaggaa tgtatcaaca attcctcatc ttttgcgtat gccccatct tccgataata 360
 catctttaga tggttcttgg ggcaagtagt ccccttgtag ttgtcaaagt ccagcacctt 420
 gaactt 426

<210> 34633
 <211> 110
 <212> DNA
 <213> Glycine max

<400> 34633

agcttggaat ctctgtatta ctggcgcctt ctggatcatga gctagcccat caaccgatga 60
 ccatagtttc agaacgatac attcgtccaa accaagaccc tccttctgtt 110

<210> 34634
 <211> 427
 <212> DNA
 <213> Glycine max

<400> 34634

tgtccctcta ctggcgaatc aattagggtc aaggacttat tatgggataa ttgtgagctc 60
aggagcgcgcg aataaatcct ttcactactc ctcattactc ccgagctcac atttatttca 120
aatgagtctt aactggatcc tacaaaatca acttataaga tgaggattat cttcacttat 180
atattctact ttgactatat tactatgcga ggtaagatct ccaatgcagc caagaattaa 240
acatcttaaa tgagaagctt gcatagctta cacatgtgta gaagattcga taacatgtga 300
tactataggt ccaaccatta tagttacata gattgtggta ctattcggtg cttgttacgg 360
tacaggtttg gtacatgtac gcgaccttga caagatatgg tgcgtgggaa tatgcatgtc 420
ggtacgt 427

<210> 34635

<211> 432

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34635

agcttggacg ttgggcgtgt tttgtgggac tttgttggtg agaacttttt tggatttaaa 60
atattgcttg tgaacaattt tatttgcatt ttccttgta tttatttctca agcaataatt 120
attgcttgta aaagcaaccc aaaattatgt aagggtttga ttcttaaatt taacaaccca 180
aaatttaaga atccaatcat acgacagttg tagaagttgc tctagcattg caattatgac 240
aacaatgaaa ctcccctgac caaactctcg ggagatgctg taattatttt cgattagtta 300
attacttata tgtctaatta atatgattaa tcacttatat aattaanaaa tattcaatat 360
gtgatgttaa ggttatattt atcgagatan tttaattaat ctttagttct tgtatcgatt 420
tacaaagtta tt 432

<210> 34636

<211> 439

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34636

taagaataac atnnttttta atttgggttg attggaataa tattttatta tatatatatg 60

tgcaatataa aaatagaaaa aaataaaaaa gtataaacta cgtacaaaaa taaatgtacc 120
 acagaaatca tataactttta aatgtttaat attcatttat attaccatcaa ttttttttaa 180
 aaaactaaca actaaattga ccgaaaatta catcaattaa cataattgga gtgtgaatgt 240
 gtacaaaatg aattaattgt aattagataa tataaattat tcaaataataa aatgcttcat 300
 ataaattcgt gtatcattat ttttaggttt tcatagtctt aagtgttttt actattttaa 360
 attattcatc attttcacct tatttttggt tactaattaa tatgtttata ttatatattt 420
 cactcatcat ttttaattg 439

<210> 34637
 <211> 272
 <212> DNA
 <213> Glycine max

<400> 34637
 agtcttggtt aatatgtaac aattgaatac agttattatc ccaaggtaaa tgaaaagaca 60
 cttattagtc aactatagtt caattatgta acaactaaat atatttatta tccccaagat 120
 aatgaaaag atatcttttt agtcaaaaat taaataattc atccaaataa attctaactc 180
 actattgcat ctggatcgta aagggttgaa ttcattgtac tctttaacat tgggttaattt 240
 attatcttta aattatagaa atgagacaat ta 272

<210> 34638
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34638

ntattatata ttcattnttc tttttacagt ttcttttctt tcccaacaga tacttcttct 60
 ccccaatca agcattattt cttcttcttc ccccaaaaaa gtcattgcac agcccaaadc 120
 tcccattttc aacacgaaac tcaaagtga gcaaaatttt gtaacaaatt acttctttta 180
 atttgatag acaatttagt tcatctaagt tacgagagca tgcataacaa aatttttact 240
 gtcaaataca tccaacaatg tcatgcaatt ttggtcattn tttaacaaatt gaaaaaatag 300
 atgttgggat aaatttatct cactttttac aaagagataa aattttattt ttttctaatt 360

taggaactca aatggcagcg cattacaaat ttaagaacta aattgagtat ttattctata 420
attct 425

<210> 34639
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34639

agtttggagt tgcaatagtg ctaaggtttc tggttttagt tactccatat tgtcgacaat 60
taacttgggg tctgtcttc atgattttta agtttaatgt gctaagttgt ttcaagtttg 120
gtctttggca agtgtgtaca aagatattca tgaccgcta attaatagga aagattcaac 180
acctatagga tatgaagaaa ctttttagcgt attgctaaat tgctgatttc ttaatatgat 240
gaaagactaa ctcaatgatg tctactccaa tatcaatgat atagagtctt gggaaattga 300
gggtttttgc ttaaaaaaat tcaaatactg aaagtnttat ttccttaata tcttggttct 360
ataaagattc caataaacia gaagaacaga gacacttate ttcaaataat tatattgtct 420
cttacattga 430

<210> 34640
<211> 426
<212> DNA
<213> Glycine max

<400> 34640

tgatcatcgtg agacatcaga ggctagtatt ttaatttatg tgggtaagaa aaattcacca 60
aattgataga gaaaaatcta aaatcataca tcttaggcaa ataaggcatg ctagcccca 120
acattattgc attttgattc catctttaga cattcaaatt gttgtttatt tttcctgtta 180
tcttttcctt tgccttagtc taaatttcaa acttacaatt cggatatctt ttttctttt 240
gtttctctc atttcttaat aattggattt gcatcactta agtacaacca aagtcctct 300
ggatttaatt gttgaacttc aatttcaatc tttactactt gtgataaaat taggacactt 360
gtcaatctat taacaagttt ttggcgttgt tgatggggac tttggttttc gtacttggtt 420
gttaca 426

<210> 34641
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34641

agcttttgcta taattaattn tttggattaa atattgtcat tttttaaggg aacggattaa 60
 ataatgtctt aatacttgta aacaggctaa tgtttgcctt tagttcctca aaaataaata 120
 atttcctttt gtcccttatt tataaaaaat gtgtcggatg caatcggtat tttttttatg 180
 accacatacc tacatttcta taaatcaaag actaaagaaa gacaatctat tttggagtga 240
 ttataaaaga acattaccct tgcaagaact attttcatat tttttttttc ctttttagcat 300
 ttgcaatatt cttaaacata tgagaatctt ctcttaacca ttaacattnt atgaaattnt 360
 attgctctca acattntcat attnttcaag actntacact nttagtnttt catatattta 420
 aactt 425

<210> 34642
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34642

tcacttgctc aaattcggtc agactctcgt aagcagcttt ttttgagcaa gtcggggcca 60
 aagaattcac ccagcaaagt ccaagatatt tttccttccc gtctttgtat ctgtggatta 120
 acagagccct gtcaatatca aaatagtacc aagtgactgt caagtgtcaa ttgcagagaa 180
 gacatcaatg tattaaaatc agtgggtaaa attcaaaaac tattgggggaa gtgcatacgc 240
 atactacttc catgatccat gattgtgatg gtttccacat gcacaacagt aaaccatatg 300
 atcaagagaa acgcaattnt gcggaaaatt gtgtttataa tggattcaag ttaaacaatca 360
 caacaacatc agatggagga atcagtctca gacgagtata ttgggctgat tcatg 415

<210> 34643
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 34643
 agcttgtaaa atgatgagaa gacagcccac aaaatttcaa acgaaaattc aaagtctaac 60
 tatagaagct aaaaatgata agttaagaca aataagagaa taatacttgg aaaataaaaa 120
 acttttgaca gaattacaat ttttgaaga aggagacctc agtcggccta cggcgggctg 180
 ccacgacatg gaaaattttt ttctaccccg aatacatata gagtaatagt gattctgata 240
 accggagcaa aagttatggc cgtttgcagt tatgacaaaa atcaaatntg ctacattntg 300
 ggaactttca aatctgacca aactaagggc tcannactat tttcccacan aatatggatc 360
 acaagaagtg actacaaaaa aaaatcagcc aaaaataaca actcttgcta ccaaaacaaa 420
 aaatcccaat taattca 437

<210> 34644
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 34644
 tatgcaatat acaattgtag gcattggtgt tattttcaga tgcagaaact gctacctccg 60
 caaaggatgc tttggatgga agaagcatat ctaggtgaca gttgtattat ttgtctgaca 120
 tgggtatttag ttcaactgtg atggacatat tggctgtgga tgtggtgcat atcctcagat 180
 tgggtcaacta tagactgttg taacttgtat attcacactc tcactttggt ttatttatta 240
 tgtagtattat atgctgtttt tgaaattgta attatgaatc attgaatgtg taaaatacgg 300
 ttagctatat cattccaact ggaccaatca taagaataaa tgtgttgagt tcaagttttt 360
 tctactaatt agtagttatt agcacattca ttggctctgc tgatatggtt atatacctta 420
 tgcattatta t 431

<210> 34645
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34645

agtttattta ttttataata agagaacaat gacaattgaa gagttgattc atgtttactt 60
 tgatgagtct aatgtttttt ctccaagaaa ggatatttta gatgatattg cagaatcttt 120

agaacaaatg cacattcata gacaagattc taaaggaaaa agagaaggaa gcaatgaaga 180
 tcctccagta gatgtcaaag caaataatga tcttccaaga gaatggaaag cttanggaga 240
 tcatccccctt gacaacatta ttggtgatac ctcanaaggg gtaacaacta gacactctct 300
 caaatattta tccaataaca tggcttttgt atctacgac gaacctaana atctanatga 360
 agccataata gatgcaaag ggataatagc tatgcaagaa gaaactatac caattg 416

<210> 34646
 <211> 431
 <212> DNA
 <213> Glycine max
 <400> 34646

tttgttgatg cagtttaaga atcccaacga gctcttttga gtcattgaat caagattctt 60
 gttggctatt aaagctgtaa catgcggtct ccactttcta gataaacttt gtaagatttt 120
 atcaatgtga tcataattgt cataatgtct acctagagag taaagctcgt ttaggatggt 180
 ttggaaacat ccaaacatgg ttggacatc tattccttct tccaaactga agagttcata 240
 cttacgcata agaaggtca accttttatg ttttgtctca caggaccctt cgtaggtaat 300
 ggcaaagggtg tcttacatct gtttggcact tctgtagcca tcaaccttgg aatattcctc 360
 ttgtgataaa gcacacaaca tagcatttct tgctcgtgag ttgagaagaa atctagaatt 420
 atgatcatcc g 431

<210> 34647
 <211> 434
 <212> DNA
 <213> Glycine max
 <400> 34647

agtttattta taaacaaacc ctaaacccta atttgtcaaa taccatttaa acctcaatca 60
 gtcaagtaat cctaaacctt tgtctttcaa atacccttaa accataacaa ccaaagtaac 120
 cctaaagtct aatttatcaa ataaccataa accctaatta gttaagtaca cataaaccct 180
 aattagtcaa atacacataa accccaattt gtcaagtaaa cctaattagt taaacaccca 240
 taaaccccaa tttttcatgt atcccatgaa tcttaaattt tcaaataccc ctaaatagtg 300
 attaatacag taactctaaa ttgtctcata atccctaaacc ctaattgggc aagtaacact 360

aaagcttaaa ttttcacata ccataaacc ctaattaagt caaataaccc taaacctaataat 420
 tgggtcaagta acac 434

<210> 34648
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 34648

taaactaaat ttttagggcat gttaggccca tgctattgtg caacacttgg gcaacacttg 60
 agaatcccaa tagcaagcta ttgtgttggga ctcttccctt caaaaaagta atttaatatc 120
 atgtgaatca ttgaccaca tatcagatat taatctgata agaacagata ctacactcga 180
 tcttagccaa aaggccgaga aaggcatgag ttgcaatgtc ttgagagggt ctctttatac 240
 cgaaacatca agtcattgtt atcttttcta agcgatgtag gattttcaatc acagtttaac 300
 attggacatt gatataattc atgctcgttg gtgcaaaciaa ggggtgatttt gatgaatgca 360
 ttgaattaaa aagaaatcat gtcgagtggg tgtgagacgg catgttcttg ttctgtgttg 420

<210> 34649
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34649

agtcttgng aggaagaaaa aagtgctgtg acctcatttt atagcaagat aaccattcaa 60
 ctctttgata aactattttt gtcccagtag tatgttgta gtgtcagatg tgcttggtgt 120
 agttaataaa aattctagtc ttcttgattt tctgtttttc atgggtattt tagtgagttg 180
 cttatattag atattgaata gtggtttcag ctgggtgtga attcaaaaaa tagagctggg 240
 tctccattca gttgaaacca gagtctaccc tgtgaaaaat cttcaagtct catattacta 300
 tgtgttttct attcaaaaaa tgtattcatg ctcatctgat taagaattca gtttaataaaa 360
 tanaaataaaa aatcttcttt gaagcagtga ttgtataatg 400

<210> 34650
 <211> 422
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34650

tgtccctgac accaaaaatt gctacaactt tataattatg attaaaccaa aggtaataat 60
taatagggta aaatacgttt tcagtcccca actcccggtta cttttactag ttttagtcct 120
caaacttcaa ctttgatcaa tttggtctcc tgaactttac taacgggttaa aaccgtggga 180
caaaaccac tgttttcttc taagaggggac cgaattaatc aaagttaaaa tacggagtct 240
aataccaact tttaccgaaa ataatacagg cactaaaaac atattttaac tcaagtaaca 300
agtaaccata gaatgaacga gacaagatac ttgtgagcgc gggcatcgac gccgcggttt 360
ttgacggaga atttgtcttt gggggcgatt ntgttcttgg cgcgttggtta ctcggcacgc 420
gg 422

<210> 34651

<211> 416

<212> DNA

<213> Glycine max

<400> 34651

agcttggttcg cacatcgttt gcgtgtatga tatccactcg acaaggtttg aagtagagga 60
gaccttcaat cctataacgc aacgtggcgg acgaaagtgg gcagttaact tgaatggcca 120
ttattgtcaa tgcggaaggt attctgcact tcactatcca tgttcacaca ttattgcagt 180
ttgtggttac gtgagcatga actactacca atatatagat gttgtttaca cgaatgagaa 240
catcttataa gcatactccg cacagtgggtg gcctcttggg aatgaagcgg caattcctcc 300
ttctgatgag gcatggacac taatccctga cccaactaca attcgtgcga aaggtcggcc 360
aaaatcaaca aggataagga atgggatgga ttgtgtcgaa ccatctgacc accgac 416

<210> 34652

<211> 421

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34652

ntagccttag gttgttccat gttgctgctc cccctatctc taacaataaa ttcaaccatt 60

gctaccaaca acttcgttat agtagccact gccacacaca tacactctta tagcaaagtt 120
 aggacattaa aaaaaattga aacccaaaga atgtatcaat attaattcaa actctttcac 180
 ttggataact taatcaaaac atttgacatg tgcattatgc agaaagcgat ttacaacaga 240
 atacaatgaa gatccaaaaa tctgacttcc tttttgggta cagggaatca tcgtaatta 300
 acttgatcc attctgaaat aaggaaagag atgtaatgat aagtaaactn taactactaa 360
 taactacatc ataacataga tttcatcagt aagaaanagc caactgatcc ttgaattcca 420
 t 421

<210> 34653
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 34653
 agcttgtggt tgtgagcact tcttgtccaa tgctaaccat tttcctcttc cctccagaaa 60
 cccacccctc taaccagtgg cctccaatg atgttgtcct tgcacttggg taaaccaagc 120
 tgagccatca caatttttga atgcagaatt ttctccttcg tggtgaaact atttggaat 180
 ttgagagggg aagtgagcac tagagtttca accaatcaag tggggataga gaacataatc 240
 ttgtgtgaca aaacctctgc tcctcttcat tgcatttgag aaggctctgc cattgtatgt 300
 tatgctttca tggaatttcc ctctgataaa aataacaaaa aacatcagac tcattttggc 360
 agaaccacaa aaatattaca at 382

<210> 34654
 <211> 193
 <212> DNA
 <213> Glycine max

<400> 34654
 tctgagcatg gaaatcacat gatggctcat atctttgctt atggccttaa agcccgtcgc 60
 gctggtacag gcactcactt ggataaaaga cttgctatca aaagaccatc acttatttga 120
 attctgaagg cttataccaa acttttgggt gctgacgatg tgaacaaata tagcagcgtt 180
 gcactttttt act 193

<210> 34655

<211> 366
 <212> DNA
 <213> Glycine max

<400> 34655

agctttgaat gttctatcta catatgatgt aacttgaaat caaggaatat tatttatttt 60
 tattaacttt tctattcaat ctcattgttg agatacaact attgtcaacg gtggagaaca 120
 tctatttagt agtacattgt tctgggattt gtcaacatca gcccttacga gttagaactg 180
 acttatgcaa ctaaaatcag aatacttttg ttgaactcat taattatata tataatgaag 240
 gccttatggc atttggggta ttaccatgac tgggtatttg ctatttattg cttgggtggc 300
 cgatcttata aatgataggt agaagtctca tcttcgtgtg cccaaattgt gtatgtggca 360
 ttctca 366

<210> 34656
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34656

nttagtatgt ttaagattnt atttcaagac aattgataat gctatatctg aaaataataa 60
 atcacttttg ttaattaaca tgaaaaatgt atcgatatgg tcaaagtga aaattacatt 120
 tttaaagatg cgtttttcac tttaaaacga ttgaaccctt tctttctttc tttctttttt 180
 gttaaagatg acagattcaa cggccgaaac aatagacata aactttaaaa caattatata 240
 attatgattg ttttgatgat atcaagctca aacaatttgt agtggctttt cttttataga 300
 agacccttcc aaaagagaaa caaaggatct acatatgtca aagttaagtt ggagaagaag 360
 ttactttcc caaattgggg gtaaagattt agtatatgtg accgacacta tg 412

<210> 34657
 <211> 343
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34657

agcttgtagc catcagaaga gaatgagcat gtgattagaa gtatgactga naatgttagt 60

tagtttgtca gattgattgt gaaggaatgc attaacgta tcccggtag agtgtgatcc 120
 ttanattntg agaganacga ctatcattta gtactgattn ttgcgtgaat ctttcaagta 180
 tggactagat gcatganatt gaggatgatg aaggccatgt ttgattgtga tagccactta 240
 gccaaaaagc tgaccatgtg cttgaatgaa ttatcccttg taccaggtt gagttgaatg 300
 aattattgat ttgatgaacc ctgagcctat atagtgttat ctc 343

<210> 34658
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 34658
 tcttagtttc agatgatgca catgagtttg tagctacctc atgcactcct ctaatgacta 60
 tagcatcatt tttggcgcta aactggtggg agttggaagc catcttctca attaaattcc 120
 tggcttcagc aggggtcatg tctccaaggg ctccaccact ggcagcatct atcatacttc 180
 tctccatggt attgagtcct tcataaaaat attggagaag aagctgctca caaatctggt 240
 ggtgaaggca actggtgcat aattttttaa atctctccca atattcatat aggctttctc 300
 cactgagttg cctaatagct aaaatatcct ttctgatggc cgtgggtcta gaagcacgga 360
 aaagtttttc taagaatact ctcttgaggc atcccagctc gtgatgga 408

<210> 34659
 <211> 441
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34659

agcttcaaca tcagaccact tccaggggtgc tggaactact tcacatggac ttgatggggc 60
 ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttggtgtg gatgatttct 120
 ccagatttac ctngtcaac tttatcagag agaaatcaga cacctttgaa gtattcaaag 180
 agttgagtct aagacttcaa agagaaaaag actgtgtcat caagagaatt aggagtgacc 240
 atggcagaga gtttgaaaac agcaagtta ctgaattctg cacatctgaa ggcactcctc 300
 atgagttctc tgcagccatt acaccacaac aaaatggcat agttganagg aaaaatagga 360
 ctttganga agctgctang gtcagtcttc atgccanaga acttcctat aatctctggg 420

ctgaagccat gaacacagca t

441

<210> 34660
<211> 430
<212> DNA
<213> Glycine max

<400> 34660

tgtaatcgat tacacatata ctgtaatcga ttaccagagc agattttcag aaaatattct 60
caacagtcac atcttttatg tggttcttga atggctatca aaggcctata tatatgtgac 120
ttaagacacg aatttgctaa gagtttttca gaacaaaaag gtcttatact cttaaaaagc 180
aaatcgtttt atcctcttac aaattccttg gccaaattac ttgtgattca ataaggaatt 240
atttgagtac tcaaattggt caatctatct ctttcaagag agattttctt ttctcttctt 300
cttcattctg aaaagggatt aagagaccga gggctctctg ttgtgaaaga attctaaaca 360
caaaggaagg gttgtccttg tgtgtttaga acttgtaaaa ggaatttaca agatagtgga 420
actctcaagc 430

<210> 34661
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34661

agcttgtggt gtgtgatggt tccttcaagg agattttctg ctttgatagt cttaatgtgg 60
atgaggctgg actcctgtta cagctcanag tcttatgctt ggactccctt ccagagcttg 120
tttccattgg gttagagaac tcttgattc agcccttact gggaaatcta gaaaccttgg 180
aagtaatagg ttgttctagt ttaaaagact tgttcacatc ctcaacagca agaagtttga 240
ctcgactcan aagaatggag ataaaaaggt gtgattcaat tgaagagata gtctctaagg 300
agggggatga atcacatgag aatgaaataa tatttccgca actcaattgt ttgaaacttg 360
aatattttacg aaagctgaga agcttctata aaggaagttt attaagtttc ccatcattgg 420
a 421

<210> 34662

<211> 377
 <212> DNA
 <213> Glycine max

<400> 34662

atactcaagc tgctgagctc tgataattct ttaagtttca aacaattgag atgctgaaat 60
 attatctcat tctcgtgatt catcccccttc cttagacact atctcttcaa tttaatcaca 120
 ccaacttata tcaattgttt tgagttgacc caaacttttg ggtgttgagg atgtgaacaa 180
 atatagcagt gttgcaattt tttacttcca aaaatgtcaa attcgagaag ggcactgtgc 240
 atggttccaa attaggcaac actccgcttt tatgaaaatt cgcagcatta ttcttcgaat 300
 aatacaccac aacctattca taaatgctct cattctattt catcccccttg gttaaagatg 360
 atggaacaca agactta 377

<210> 34663
 <211> 325
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34663

agcttggact catgagtggg aagttgaggt ctaagtggat tggtcctttt gttgttacta 60
 atgtttttcc ttatggtaca gttgagatca aaagtgactc cacaacaag agtttcaagg 120
 tcaatggaca ccaacttaag ccattcctca caaacccttc tttagtggac gtagtggtgg 180
 aagagacttc cttactccac cctactattc ctccaccatg acttanggag tttttctttg 240
 cctatctect tctttacttt tattacantt tgccgattct atttgatngg ttaattgctt 300
 ttaatctttt aattacgcta cattg 325

<210> 34664
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 34664

tgtaggcctt ggatcttctt catcaatgga gtcctttgct tcttgaagat caatggcagc 60
 agaatggaga aggaggaaag ctgattggag acgccacttc aaggagaaga tgagtcaaga 120
 acaagctcac aaccatagga agccatggat aagagcttta aggtagaaga tgagtggagg 180

gagaaggaga gaaggaacac aaaattttat gtcccaaag aggtcagaac tttgaagtgt 240
aattcccaaa tgatcaaagt tgaaaaacta cacacataag acctctatct atagcttaag 300
tgtcacacaa aattggaggg aaatttgaat tctattcaaa tttcacttga atttgaattt 360
gaatttgtgg agccaaattt ggagccaaaa tttcactaat tatga 405

<210> 34665
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34665

agcttaattc tattctctnt ntttttttta attntgacat ctacgaaatt gtgatgtcaa 60
aatatttgta aatggaaaat cacttatcac aaatgtatga ggactaaaaa tatatacaat 120
tccatgtaat attttaaaaa atattaatat aaatattgta cgtatacagc tcaatgactc 180
gactaataca acctgaattt atttgaatta acaacaaatt tatttgactc aactaataca 240
acctcaattt caaaagacca atctaaactc actccgcagc aaaacaaata acatgattcc 300
cacgcatatg tgatagcgct tgtgttctca ccaatccacc aaatgtgctc ccaccagctc 360
acttcctggc atgtaataga aatcatgaaa atgtttaana tcattccgtg taaaataata 420
aaa 423

<210> 34666
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34666

tattattggt tggagtttaa aacctgaaac tcatgagagg tagtaagaga agaggaagca 60
tgcgatgac atgatgatgg gccttaccgt gggccttgga ctcatcgagg gccccacaa 120
cggagtacct cgcgtaacac ttcccagaaa acatgtcacc gtaatccgct gtgccgcaat 180
cgctcttcag gcgcgagatc gcctccgcca cgcagtcctg gcaactcccc tagctcaagt 240
cgccggtgca ctgcgccacg ccgtgtaccc caccggaccc accgacgca aagttccac 300
cggcgggcgc gagtccggcg agcacggcgt cgcggctccc catggcgctg gngttgtacc 360

cgaccgacgg cccgcacttc ttcagcacca ccgtc

395

<210> 34667
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34667

tctntgact ttttaataaat tntcttttagt agatcttagt ttttttttta aacggtggct 60
tcagtttttt atacattttt ttctttttat ccttaaacad ttatcaaatt ttctgattat 120
tttaaaaata aattatgatt ctttctgtta ttttatattt ttttaataatt tccacaacta 180
ataatttaat aaaaaattac attttcaatt tccagcttaa ctttctcact tctagctaatt 240
tttataaaaa aaataacaag aatgaaactg aggacaatga aaaagtcccg tgtaaccaat 300
caatttgaat aattaattaa agaattgaat taatagaaaa ttgaagaatt taaataactg 360
tattcattta caagctacaa cagtaaaaaa gaatgaacac catttttgcg aatgactcac 420
ttttct 426

<210> 34668
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34668

gggacagaat ctcccatgct actatgaata tctccacctt attaagcaac acctgccact 60
tgagcaaaat tggctctagt gtaaaacacc taacattaga actttgggtc taccaatatt 120
tattattaat tttttaaagt aaaaaatatc acacatgtta attaaaagac cttacatatt 180
attatttctt ttaaagtaaa aaaatatatt ttaattttta ttctacgtgt cattttctat 240
tgcaccgaca cttcacctga gagtacagat ttactacga gaatagctcc aagtatttgc 300
attgtagcat cactaacaac atcgtgtcca tttgggtgcag cacacaagta ttcacaacta 360
ttcttcatgt ccggaattag tgatctgatc aanatactaa tcaa 404

<210> 34669
<211> 273

<212> DNA
<213> Glycine max

<400> 34669

agctctatct ttaatcaacc acacatggcc cgagccataa tcgacgacaa aaaatgaatc 60
acaagccaat gaagccaccc ttctggacac acacgcctga ttcattgagca tatcacacat 120
tcacacgatt caacgaagag tgagagtgtg agtcagaggt tctacctatc ttattaccat 180
tgataagaga gccttgctcc acttatacat tgattgtctg cctacaaata cactctccat 240
gctctgaatg gatgcacatg ttttaataatc tta 273

<210> 34670
<211> 483
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34670

tcctttgacc ccttagaanc gctatagatt ccgtgacact atagaatgct ctagctcgta 60
cgcgcggtat cttcgacaca aaggattact ccgtttcctg cagataaaag ggctctgagc 120
atgtcgacct atgaaagtct attaactaaa cgtccgtgtg gaaaagaatg agcggcaacc 180
atttctcgag agcttccgac gattagattg caaccttttc gtctaataag acgctcgagc 240
ctaagatgcc aattgaaccc tttttacaac ttgaacttct cctaacttct gatgtttatt 300
ttctaaaccc tcaacatatt atacgcccgc catctatacc cggattgtgc ctttagtgcg 360
acacactaat tgctgtgaaa ttgaagtcca atggcgctcat tcttgactcc tacattgggc 420
catgagacca ctctctgact tgacttccct tattattata gggattttat aatggtcagc 480
ccg 483

<210> 34671
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34671

agcttgtgca aatcaaatca ctctacatt tcattcttag catgcatctt ctttctttac 60
ccactcctca cgtttggttt tttagggaaa aacaccataa ctaaaccgcg cgcaagggat 120

ccctatcgca ccagatccaa atctagaacg atgggtgatc aagaggagac gcaggaacag 180
atgaaagccg acatgtcggc tctgaaagaa caaatggcct ccatgatgga ggccatgtta 240
agtatgaagc agctcataga gaagaacgcg gccaccgccc ccgctgccag ttcggctgcc 300
gaagcagacc cgactctctt ggcaactacg caccatcctc cctcanacat aataggacgg 360
ngaagggaca cactggggca cgatggcagc cctcacctgg gatacaa 407

<210> 34672
<211> 416
<212> DNA
<213> Glycine max

<400> 34672

tcagcttgag ggtagtgttg aaaatcagaa ttaatattct gattctatta ataattgtaa 60
tttatagga cattatattt gatttagagg aaacaaaata tcctctattt atgtaccact 120
aatgtaatta tcctatataa acaagcattt gttgtgtact ctgatacacg gttttcactc 180
tagtatccct ctttattttc tctcatttta cagatatgat ttgatcacga taaatagga 240
aatttctcag ctgataatta aggattatac acattattag tggttatgat tccttatatt 300
gtactcttga ttcattataa atcagaataa catgtgcaac acaactacat aattacagta 360
aataacattg ttatattgag taatattctg agtgctgacc acaactacat aagtgc 416

<210> 34673
<211> 149
<212> DNA
<213> Glycine max

<400> 34673

agcttccatc atagtggaat cagagcacia gaacttcaag taggtgcttc ttaaaccctc 60
attaaatttt tttctttaac ctctcttcca ttgggtggttc ctcatttttc ttcattggatc 120
tcctcacatg gcctgggtcta aatgggtggt 149

<210> 34674
<211> 362
<212> DNA
<213> Glycine max

<400> 34674

tgaatcggac ctcagtgtga aaagttatga ccatttgaat ttctcgagag ctttcgttgt 60
tcaatgtcga gcatctcgac atattatgcg ctggaatcag acatccgtgt gaaaagttat 120
gaccatttga atttctcgag agcttccgat gtttaatttc gagcctctcg acatattatg 180
cgcccgaatc ggacatccgt gtgaaaagtt atgaacattt gaatttctcg agagcttccg 240
atgttgaatt tcgagcctct cgacatatta tgcgcccga tgggacatcc gtgtgaaaag 300
ttatgaccat ttgaatttct cgagagcttc cgatgtttaa tttcgagcga ctcgatatat 360
ta 362

<210> 34675
<211> 418
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34675

agcttgtggt tatgaaattt acgatcctcc cactcttcgg tctcttctt cagctcgatc 60
caaggacaag gtttttctct tcttttttaa attttgttct ctctttgttt cttgcttctc 120
aaaagaatat ttaaaaagga gacttgctat tttgtttctt tgttttaagt ttcacattat 180
ggtgataatt tttttatctt ctgaaacctt cattcagggt gtgggtttga ggggtgcatt 240
gcactgcaag gcctgccaag ganaagttag aaagcatatt tcaaaaatgg aagggtgagtc 300
tgcttaatca atacatagtc ttggagtctc aaaatgagag tctggatata attagataaa 360
cattggcagt aataatacta attctcatgt tcttgagcat tntttntaat ctttntct 418

<210> 34676
<211> 443
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34676

acactactag aaactctagc gtactctggc actcaagact tgtatagatc tctctctctc 60
tcttcacctt atattggttt ttttacagaa aatatgaaag aataatgctc tgtgggtaat 120
ctctacaatt ttctacaaaa ctactatttg tctttattta caagttgtaa gatttaactt 180
tgtactgctc tcagttagct ccgccactcc ttgtacaaaa gttaattggg ttttaatagt 240

ataatttagt attttttggc tgcgaaaaaa aatttgtacg atttctgcat tcctattgac 300
 ataatccgat ttgggttaaac ttattgattg aaataaatat ttattggaat caaataggta 360
 gtgcatgcat ttgtatgtga gttggacaga tcatgcccac ancaatcnat attggtttta 420
 ttntatcttc tggtatcaaa atc 443

<210> 34677
 <211> 394
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34677

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 gaattctttt atcatcctat ggactaagtt cattcttctt gaatntcttg attcttgact 120
 tggatcaaac ttgaatagcg ttcattcttg gcatcatcaa aacttcatat aacatagtct 180
 tctacaatta aaggtagtgt cttggtgggg taacatctct aagcaatctc cacatgaaat 240
 gcttaacttt tggagggatg tgaagcttcc caagaagatt ccaattacct gagattttga 300
 attggtcacg agccaaacat tgcttcgtaa gatgatatng ttgtcttaca gagtaatttg 360
 catgtttgct gattntctaa gtaagtacgt catc 394

<210> 34678
 <211> 438
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34678

ntgngactat tcacacaatt taacaagaaa caatgaagga tcaactgtga aaattaattg 60
 cattcccata cctagatctc cttctaaatt ccaccgaatt tatatatggt taaatgcatg 120
 gaagcaagga ttcaagacta gctgtggatc ttttattggg cttgatgggt gttttttgaa 180
 aggctactat ggtgatcatt tgcttgcagc agcggggacaa gatgcaaaca atgcattttt 240
 tgtgattgct tatgcggtag taaatgttga agataaagat aactggaagt ggttcctcac 300
 attgttacat gaagaccttg gagactgcaa gcaatatggc tgaaatttta tgttagacat 360
 ccaaaaagtg caattcaatt gttttgcttt gatcaattca tatatagaat gttgtaattn 420

tgattgcctg catgcata

438

<210> 34679
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34679

agctctanaa tttgaattat aacgttcaaa aactgctggt aatcgattac catatatgtg 60
taatcgatta cacagtgcac attttgaatt caaatTTtaa tagctgttgt aaatcagttt 120
tgGCCattgg taatcgatta catcctctgg taatcgatta ccagagagta aatctcttga 180
aaaagacttt ntttaactta natttcttgg ccaaaccctt tgctacttca attggaattc 240
ccttccattt taatgtaatc ttccaaagac tctagatact ggcttgatca tccatcttga 300
atatctttga tttctttgtc ttgaataana ctttgagaaa catgtaatcc tttggcatca 360
tcanaacatt aagcttgTca ccaacaaaag tctgaagacc catcgaactt gtcaaaagct 420
ttc 423

<210> 34680
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34680

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gaagagaagt tcaagtccat agccatcaaa gtctgaaaaa agtatgatga actaagggat 120
gtcaatatgg ccaccgatga agccttgga tgagaaacca agaaggcccg aaaggaagaa 180
cacgacaaa gcaaagtttt gaggggcttt atagggcagc aatagtgagc tcaagctccg 240
aagaggtgaa aggaatcatc acgggtcaaa ggcattgatc tgaaggacga gctaaagggt 300
tgcttatgt cgaaaagaaa tttgttcaa cagttaagcg agactgaagg gaatatgtgg 360
gccatcatcg ataagtcaa agagaagcta aatctagcgg cgactcacga gcaaaggcta 420
gaggatgagt a 431

<210> 34681
 <211> 468
 <212> DNA
 <213> Glycine max

<400> 34681

cactcgaccc gggatcctta agcacctgca gctgcagctt gctctatagt gcctggacgt 60
 ttgtatgttg gaagctgtaa tcagcgaggg atggaaaata aaagtgtaaa taaattctaa 120
 gtatgacaat agattacctt ataatgccaa caattttgtc tcaagtgact caaatcacta 180
 aatggacata gttagtggac atccaaaagt ccatacttat tactaagaaa caaattgtta 240
 tgatactttt ttactatcg gattatgaaa atttcaagat tctaaagttc aatatgtcat 300
 ataactcaca actaacataa ggatgtcttc cgtcttcctt attactatat tagtagtacc 360
 ttatgatgat tgtagcaagg tgaagctgat ggaagtcgat ctacatcttt gccttcaatt 420
 ggttgccaaa gaggaacatc acatgcaacc tgtgtaacaa atagacat 468

<210> 34682
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34682

tgcgccactt aggattgggtc tagtatagtg gtggaagaat ttggatgggt agcacaattt 60
 tttaagttca aattaatctt gttgctgtta ttatatacta aaataattat tctaaccatg 120
 cttgcattgg ttcaaaactc aaaggcattg tttgcgttaa agaaaaaaaa atacattgct 180
 ttgtggtata atataatcaa ctatatattg ctgccatggt tgaatcagcc ttgatttcaa 240
 ttaatctttc ggctgacaaa gcaaaacgct tatactgcat gccaaatatt ttaatttgct 300
 gtttatgcca atgtacttaa ttgcgtattg tgataatagn ttgttttctt gtgtcaatat 360
 ttaatcagta tcattctaaa aagttataaa aaaatcgatt aatataacga ataaggagaa 420
 attacttaat tat 433

<210> 34683
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 34683

ttgcttagtg tacttattgg tgagagaagc ttggctgttg gatagatgag cgattgcgtc 60
ctccagtcta tccgtcgtag tcttttttggg tgcattggtca accatggcga tgggtgacggc 120
agcatgttgg actagtgtta gcaacgagga agagaagatg attgccttag ttcaaggcaa 180
ggcacctcct gcgaatgggt tgatcgaaac aagtattttg catgctttta ttcattgttca 240
tgcagtatct tatatactgc gagttattac attcataaca acccttaacc gatttaacta 300
actctagcag agtaactaac ttctaatagc ctcaactaac tacacgtgct attanttaac 360
tacctacagg tgctctttgg ctacatcgtg cgtgcactat tagaaaatat attntntaca 420
ttggttat 428

<210> 34684
<211> 380
<212> DNA
<213> Glycine max

<400> 34684
cgattgggga tagctcttga tgaccagcct tgcagcaatt cagattgtct atatcttcat 60
gagattggct ctcaagagga tagtttcaca aaatatgaaa taatttcagc atacactatg 120
tatttttcta atctttaaag agctttcatg caaagcctgt tatgattctg ttgaaagata 180
gaaactgttg aatgtttctt gtcttggtg catgctagtc ctggatgcaa agctgaggct 240
aaaatattac tttcatgcaa ttggcaaact ttttttttcc tatagttagt taaaggctgc 300
atgtattttt taaattgatt cacatgggtt ttgttggcag ttgatacatg attggaccat 360
tcattttccc tctattctat 380

<210> 34685
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34685

agcttccatc acccgtggta gtcctcattt gtttcgtgta cttttattct cgtttcattt 60
actttccgta ccccttttgg acgtgcttca atcatttact taagtcattt tctcgccata 120

<210> 34688
 <211> 249
 <212> DNA
 <213> Glycine max

<400> 34688

tgcttggtga gcttctatgg aggtctggatt tttagagcttc aatgaggtcc ttcaatggtg 60
 attttccacc atggagatgt agcggaagac aaaggagaaa aggtgagagg aggtgccatc 120
 cactagggaa taagccatgg aagaaagagc ttccgcatca agagagtgcc ttggataaca 180
 agcttgagga ggggtgcttca atgaaggaaa agaaagagag agagagaaaag atagaggggg 240
 gggggggggg 249

<210> 34689
 <211> 310
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34689

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 cccaaccac ctttgattac acaatttaat agcagtcaaa atcatctttg gccttcgatc 120
 atcaattact tactctgtga ttccattacc agagagctta tctctagaaa aagactttta 180
 ttaactaaaa tatattgttc atacctttag ctactccaat tggacttccc ttactatata 240
 atgtaatctt gctaagactc tatatactgc acttatcatg cctcctgaat atctataatt 300
 tctttgtctt 310

<210> 34690
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34690

ntgaagaaac aagatacaaa tcatctatgt gaatccttct ttcttgtaaa gctttctata 60
 aattcttata aagatacaaa gttctcaaaa caccttgcac accttgagag aaaagactaa 120
 aagtgctaag tgatatatat ccatttggtta aaagatcata ctctagttag tgagcaatct 180
 tccaacaaat cttgttggtt tgtttagagt caacaaggac ttggtgggat aaagaatatt 240

gggtttaagt caagcctagg ataaagcttg caagtgtatg taagagctag aagtaacaat 300
 gaacaatact tgtaactttg ataagttagt aaaaacttgg tgggtgctaa gaattggatg. 360
 caatcttgag gttgagacaa actaatataa atcattttgtg tgctatctta ctttaattgac 420

<210> 34691
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34691

agcttctata taagctgaac cttntatca ataaacacaa gttgagtttt attcagaaaa 60
 ttagagttta tctcttttat cttagtgaaga gtgattctcc taaattcttg agtgattcaa 120
 gaacaccctg gctgtatcaa aggactttca caacctttgt gtgttgccct tgcaggaaag 180
 agtgattggt tcttctcttt catcttcacc cttgttattt gaaaccacaa ttccagaaaa 240
 tccacctctg cccagaatta tctcgtggcc ataactcctg ttttacgcac tcaaattaag 300
 tgattcttga gcctaaattg aatttcaaaa caagaccttt ttcacctcgt ttagaatcac 360
 ctcatttgga gccctgtagc ttcagttatt gccatttcta tatttct 407

<210> 34692
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34692

ntacaacaga ttntagtaat gaccactaa cctagaatta aaataactta atgccattaa 60
 ccttggaat taaaaaaaaa acttaatggc tgagtgtaac taaaattgtg gcaacaaaa 120
 gtcaccccca acagccaaca agtcagccac catttggctt cccaaaaggc tgatgcctag 180
 gttgccattt gggcccttat tacaacttga actaaacctt ctaaaaagcc cttttagtgt 240
 attaacccaa aacatatttt tggtcagcca actttacaag gattgggcca ttatttagac 300
 aaactaaaca ctctaaaatt gagacaaagt ggtgtcattt agtccttctc catttgggcc 360
 atgatacaac tcacaacctt ggacttttct ccttgaaact tgggcttgta ttcaaatagt 420
 atggacaaca cttg 434

<210> 34693
 <211> 421
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34693

agcttagctg tagcatttag taaaaaaaaa aaaagttggg gacagtgtgt ttcttttatc 60
 tgtcaacttt ctcccgtttt ctcaattaaa atgggtttta tgatgacca cgttatggaa 120
 acaaattatt gttctcacat aaattttgta tccattcgct taatcaacaa catcatcgct 180
 aaagagctta nattggtggg catcaagaac caatttcctt atagaagaga atgcgcccac 240
 tattccaaca cccgtgaaga ccaccataat tgagggtgta atccaataag tgaaggatga 300
 ttttgagggc ttgtatgtca tgttgtacat aagcataggc agaacgaaat ccanagggat 360
 gaaaccaatg gcaccaacca caccgttgat gtctccaaaa aatggcagca tagctgccac 420
 a 421

<210> 34694
 <211> 383
 <212> DNA
 <213> Glycine max

 <400> 34694

tatattacat actatcatgt caatgttaaa caaggcattt actgttgctt tgaaagagca 60
 gatcaccata tttaaagttg tatcaattgg tatttagaaa aattactgat aaaagagtta 120
 ccaaagttgc aacaccatga ccagccagtg ctccagctat gactccaagg ggagaagaag 180
 ctgctgcaat ggctgaatag tatggaaaaa acagttcatg ataaaggtgg tgagttcagt 240
 gcatgacaag aagcaagata gcatgtcttg gtatttgaaa caaatgaaaa gtcaacaaga 300
 aaattatata aactgaaact gtattgatcc aaatcaattg gcactcaact cttttaacgc 360
 caagcatata aattagcttc aag 383

<210> 34695
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34695

agcttacaac attggccaat taagaatccc atataagaca gatctggcaa caacgtagtg 60
 ggggttgggtt tggagggtc cacttgtatt aaatttcgtc ttgatctttt ccatccatac 120
 ttcattgactc tttcatccac atgtttgaat gctcatgaca aattaagatt ggtggataac 180
 caacaaaaca cccttgttat tatcaccaat tcatcatcac catcgttcac aaaaaacttg 240
 tgttttagtga gatcaatttg tagcacagct cattggcccc ctattagctt aaattttgta 300
 tagaaacaaa gaaataattn tcaaacaata aaacaacttt tgtcttcttt cattttttaa 360
 gaatatntc aaatgtgcca aatagttttt tttaaaagga taagatgagt aaaaagt 417

<210> 34696
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34696

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 gccccacatt atttccatga cacaaatgca aaaatgacga tttggaaatt ttatgcaaaa 120
 ttggttatgc atagcannta tgcggacact caagtgtcaa atttttatgg tcatgtgatg 180
 ctagggtcga ggattcattt cctctatttt agtcaaccca acgtttccaa aatatgttct 240
 tttatcaatt tgtgcattca tccgagtcca ttttggcgt ctgggaaaat cttcacagca 300
 ttcacccttc aggtgtatac acattnnnc cgcggtagt tgtgagcagt gaaggggtgn 360
 nagaaaagtt ggaagtcac tcttttcaaa agcatgttg cttttcagct tgacaactt 419

<210> 34697
 <211> 437
 <212> DNA
 <213> Glycine max

<400> 34697

agcttccctt ctcccttctt ctgaccctcc attatcacia ccaatgtcac tcaccatag 60
 aagcttccat gggtatcttc catggttgct actcaccata cgaagtttcc atgggtgcct 120
 accaccaca ctactctcg aaccctccac taccctccac aacaatcacc acaccatctg 180

gaatttttcgt cgcacaccaa ggaccgcctc gagggccgtcc tggctaaact tgatgttgct 240
 acacgccacc aggacacccg actggacgct cttctcctat gactacctcg gcaacccgac 300
 cacctctacc ctctcagtc tccatgcttc gtgcccatac caccaagtct cgcaccatta 360
 ctgcctctgc cgcggacttc gccactgact ccaccgctgt ctccgccgtt cgagctgact 420
 ccatcaccca tgcttat 437

<210> 34698
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34698

tattctgagc atgattcctc ctaatttcca tgcccaaat ctttttagtt gctcccatat 60
 ctttcatctc aaattcacta ttaaaaagtg acttcagttt ccgaatttca aacttgtgtc 120
 aagatactat gggcatgtcg tccacataga gaagtagata aatgtatgca ccatccttca 180
 ccttactatg ataaacacat gaatcatatg gacttttatt gtacccatga gagataatta 240
 actaatcgaa tctcttgtag cattgtcttg gagattgctt caatccataa agagaccttt 300
 acaacctaca aataaaatct tcctttcctt gcacttcaaa accttttggt tgtttcataa 360
 aaattttctc ctcccactat tccatggaga aaangttggt tcacatcaa 409

<210> 34699
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34699

agctntaaat gtgcttcac c ttgggtcattg gcaagaatcg cgttcacatc acattgaaat 60
 gaggagtga gaattcctaa cagagttgag ggatcaaaag tatttgaagt agtcttcgag 120
 ggatatcaag aatatctgag ttgccaccct ctattgctca acttgagaac ctacaaattc 180
 ttgatcttgg aaacatttca taatgatatt ttatcaatga acattctcac acatatgatt 240
 ctatctcaac attacttggt ggagagaatc ccacacggga ttgagaagct cattaatcta 300
 ttcaaccccc accctcttc tatattccca gttattacaa cactntcaaa tgctntangt 360

acttgagaca caatcaccat acccaactca tccata

396

<210> 34700
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34700

tgcgcgaaac acanaactcc tacatggcat ctctagcatg ctttttcttt ctttaccac 60
ccctcacgtt ggggtttttta gggaaaaaca ccataactaa acgcgccgca agggatccct 120
atcgacaccag atccaaatct agaacgatgg gtgatcaaga ggagacgcac gaacagatga 180
aagccgacat gtcggctctg aaagaacaaa tggcctccat gatggaggcc atgttaagta 240
tgaagcagct catacagaag aacgcggcca ccgccgccgc tgtcagttcg gctgtcgaag 300
cagactcgac tctcttggca actacgcacc atcctccctc aaacatagta ggacggggaa 360
gggacacact ggggcacgat ggcagccctc acctgtgata caaccgagcg gctta 415

<210> 34701
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34701

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tgagcccatc ttttttgtga tgggttttgc aagagttata caacatgaac atggcatcgt 120
gaatattttg acaaggaaag tgtgtcccaa acaaaggaag ttgatgtaga tatggatgat 180
catctagaga atatgattcg tgatattgga tcaaagtctt ttcagcaagc acatgtgtat 240
gatactttga aaagtgatgt ggaaatccct ttgtatctag ggtgcactag tttcacaagg 300
ttatcaacaa tgttgaaatt ggttaatctt aagacgaana atgagtggat taataaaagc 360
ttcactgaat tacttaagtt actggaaaaa tgcttctgaa aaataacaca ttgccaagct 420
atcactgtga ggaaaaa 437

<210> 34702
<211> 439
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34702

tgtcccaagg attcatatcc ttttaaccca acatagatag gcttgtggat ggagtttttg 60
aatgcagttt gataccataa ggaatcataa cctccaatta aacttagaaa aatgattttt 120
caaagtacat gccgagaagt tcttaggttt tatgttgaca aagaggggaa ttgagggtaa 180
cccaaataaa tgcaaggcca tcatgaaaat gagaattcca agaacggtca aagaagtga 240
caactcatag ggaagatcat gtcctgtct tggttcttat caaaatcgac agagaaggaa 300
ctccctctgc ttaagtgatt tcggaagaac aagcacttcc aatgggtgct agattgtgag 360
aatgccttca aacaattcaa ggaattcctc acaacactac ccattntaac aaggccgaaa 420
tcgaaaggct ctatacttg 439

<210> 34703

<211> 442

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34703

agcttatagt cattacttgt taagaaccat aagccagagt cgattgttcc ttgataaag 60
tgaagaattt gttttgcagc cttgaaatga gtagtggta gagtctcgat gtattggctg 120
atgagtactc cagtagcata tataatgttt ggtcttgtgt gtcaaatac ataaactacc 180
caccaaactc ttgaaatcta tagcatccag ttttcttgc tgcgcgaact ttgataactt 240
cattntgcac tccatcagtg ttccaattgg cttgcatcta tccatcttga atntattaag 300
catcttcttt gcgtagcttt gcagtgaat gaagatttca tcttctttct gctntacctc 360
aatggcaaga tagtatgaca tttttccgat atcggtcacc tcanacttct tcatcatttc 420
tttcttanac tctgataatt gt 442

<210> 34704

<211> 397

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34704

tgtaagagct tggtcacttc ctttntcacc acatctagaa tgacggngtt gagtcgtcgc 60
 tgtggctacc tcaactggctt agctgcatcc tctaaaagta tcctatgcat gcaggtagat 120
 gggctaatac caggaatgtc tgctaaagtc catccaatgg ccttcttggtg cttcttgagc 180
 accggcaaca acttctcctc ttgctcaaca tcaagggaag cagagatgat cactggaaat 240
 ttgatgcaat cctaccccg c aagggcattg gatagaagac tccaagtaga ttgggccaga 300
 gatccaaggg aaggccctag ggttctcatg agccttaagg tagattntga gcccatgggc 360
 taagtatgag cccgcttatc tttgtaatta ttagaat 397

<210> 34705
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34705

agctnttctt tatagngtat gtttcttggtt ttattttattg gtattggata tgagtttatt 60
 gttgcatatg gaactgatct tctgctgtta tcagattaag tctaaggata gataataagg 120
 catcttctca agaaataaca aaataaattt ctacaaacta agattgagtc atttaacaag 180
 gcttgtcaat ctccacgtgt aacatagaaa aactccaaa cagtccttga gcagaacacc 240
 acatactagc caagaaagta atcctgtccc aaatgttgtg ttgagatcac aaaatgcctt 300
 tgaaaattct agcattcctt tgtagctata gacactagag agccaccana acaagcactg 360
 ccacagaagt ttagcttctt tacaaaaagc cagatcctct anattgact 409

<210> 34706
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34706

tgttcgaca tcgttcggt gtatgatata cactcgacat ggtttgaagt agaagagacc 60
 ttcaatccta ttacgcaacg tgacggacaa aagtgacag ttaacttgaa tgatcattat 120
 tgncaatgca gaaagtattt tgcgcttcac tatccatgtt cacacattat tgcagcttgt 180
 ggttacatga gcatgaacta ctaccaatat atagatgttg tttacacaaa tgagcttaaa 240

<210> 34709
 <211> 427
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34709

agcttgata actacaaatt taatgcatag aaaaaagttc aaaagtcaat gccactatga 60
 taggtataaa aaaatcaa ataatcatgtt attttttaaa attgggttaca ttattaaaaa 120
 tatatttttc ctattaaata attttttata ttttttttac tctgggttgaa aaaggaatta 180
 aataataaat caatttaaag aaaaaaaatc ttcaaaaatg aaataaaaact cctttttaat 240
 caatgtaaaa gaatacaaaa ataatatgaa gaaattaatt gaaaaataac tttctttgtt 300
 ccttttcttg tgtaatttaa cattntatgt cttttcctat gtacaagaga ctataaacgt 360
 aagttatgtg aaagaaacat tntcatataa tcattacgga tttgaatcct ctcatgtgaa 420
 attcttg 427

<210> 34710
 <211> 356
 <212> DNA
 <213> Glycine max

 <400> 34710

tctctgtcta agtttctctc tctcactatt ggctatgata gccctgaatt tcttttattg 60
 caggaaacgt tccgtgtcac gagtttcttt tatcacgtca cactcacgtt tgccctcttc 120
 tgggaagaat cattgatagc cctgaatttc tgctctcata acgctatatt ggcattgcgt 180
 attaccttgt acatgccagc tttcatattc atcattgaat acgcagggat aatctctatg 240
 atcctcgagt aagagtatta taacatggca aggatacttc tgagcacaga aatagctcac 300
 acagtttggt atcttgatgg cgatgttctc cctcatttct gtctgtatta acctta 356

<210> 34711
 <211> 384
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34711

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 attgagtttaa tgaaatgatg ctaatgtgtc tcagtccacac tttatgtatg cattntctat 120
 tctaatagcaa attttgtctt ccaagtcttt ccaacattta aaaaattagg aatcaatatt 180
 tactcagatt tttaaattta acattccatt nttcatatat tgatcctact tgagagagca 240
 ttgtttgtga cagtttggtt ttttttttaa tctttttctg atctntgtat actgcagnca 300
 attgcaactt tctttgatca nattatggct aagattggng gaaacacttg ctgcccaggt 360
 acataatata cttcaacgaa tcat 384

<210> 34712
 <211> 279
 <212> DNA
 <213> Glycine max

<400> 34712

tcgcttaagc gaatagagct ctccattgga acacatgtaa cccttcgcca taaaggccta 60
 tatctaccga aactcttaac tagatgtaag ctctatcctc cctgctgcta tctttgaatt 120
 cttattgtct cgcttttgta tcaaaccctt gtcattgtga agagctctta tatgaccttt 180
 tacatcttga aagaaaacac tacatgcggg gacagaagct ccgctgctaa gacaatttag 240
 agaccggccg tgagcctacc atactacata acttccat 279

<210> 34713
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34713

agcttgtctg gacaaagaca aggacagcca gtatttatca ccaaacttga agtatgttct 60
 taaatgcatg ataaaataat tntatcatga gattgattta tttatttctg tttttaattt 120
 gaccagtcta ttttaatatc cctgtatggc cttnttggtc ttgtttttta caatagaaat 180
 tgacgtaatt ttgtagcaac tgttgagctc tttgttgat gatcctgatg cataatttct 240
 ttgtaacagg gttacaggaa ttcttccgcc tctgagacgt aagttcaaga agttttaatc 300
 tcttctcaca agtttagaan atattgagt gttgaagttt acaatattgt tctaaaatta 360
 ttggtgttat ttgctggtga gttgattatt tggtttgaat caagtattan gtattaagtc 420

426

<400> 34714

<210>	34715
<211>	229
<212>	DNA
<213>	Glycine max

<400> 34715

<210>	34716
<211>	66
<212>	DNA
<213>	Glycine max

<400> 34716

tagctaaaaa ggaaactcat ttacaataa agagcaacat taaagaaact ttccctctta 60
gacaac 66

<210> 34717
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34717

agcttcttat ccaaggctca tcttggtggt gaagctcctt cttccctggc ttattcccta 60
 gtggatggcg cctcctctca cctcttttcc tttgtcttcc actgcatctc catggtggaa 120
 aatcaccatt aaaggacctc attgaagctc anagatccaa cctccataga agccccacaa 180
 tcaagcttcc atcagttgta gaccctaag accaagaaaa gacagcttcc acatgtccct 240
 ttggtgtttt tgcttattgc cgaatgccat tcgggttatg taatgctcct gctacgttcc 300
 aaagatgtat gatggctatc tttgctgaca tggtagagaa gtgcattgaa gtctttatgg 360
 atgaattttc agtctttggc gcatctt 387

<210> 34718
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34718

tatgcgcata tttccttacg aacgttcact ttgcgcaaga catcctatta actaagaaaa 60
 atgcacccat atacaatcaa ggcagcttcg ttacctagat tatttacatg tacttccaag 120
 gtgtatttgt tacttacatc acacacatct ccttggttaa atttacatac atgcatactc 180
 aaagcatttt ggggtaccaa aaattgcaca tgtgcacatc ttggtatttc taatacctat 240
 acatacacia acttcatgat gaatattgac tatctacaca ataaagtgct acatttcag 300
 ctcttttcaa gtttttgcta cctaaagctg catgcaaatt caagtatatt ttcctttgct 360
 gactaaaatt gtattaaaag gtatatattc tttntgtaat gtattttctt tacataacat 420
 gcaacatatt tatatata 438

<210> 34719
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

[illegible]

<210>	34720
<211>	393
<212>	DNA
<213>	Glycine max

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<223>      unsure at all n locations
<400>      34720
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aactc	ggatg	tccgatt	gag	tcccgt	aata	tatca	agaca	ctcgaa	attg	agaata	aaaag	180
ctctga	acaa	attcaa	acga	caataa	cttt	ttactc	ggat	gtccg	attga	gtccag	ta	240
atatct	tagac	actcg	aaatt	gagaat	agaa	gagct	gagca	aattc	aaacg	acaata	aactt	300
tttact	cgg	tgtcc	gatg	agtccc	gagc	gtctc	gat	at	tatgc	gcc	t	360
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<210>	34721
<211>	326
<212>	DNA
<213>	Glycine max

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<223>      unsure at all n locations
<400>      34721
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taccacacat caccattgaa gaagctgaag gttacattct tacgcaagaa ctatgaattc 180

gaaaaataca ctacactcga atctttgagt aattccttca caccaacagt gaatcttact 240
 caaatgagtt ctctgcattc cactgagaat gataactcaa attcgtactt tgacaccaat 300
 acaatgtata ccaatcagta ttcctc 326

<210> 34722
 <211> 423
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34722

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 aagcaagaaa ggacctgctc atgttggtgag tacctctaaa tacaagggca aaagaaaaag 180
 aactgaggag ctcaagaatg aagctgctaa aggttttagta caaaagaaac aaaatcaagg 240
 tgacaattgt ttcttttgca gtgagcctgg acatgtaaag aagaaatgta ccaaatatca 300
 tgcttgcat gcaaagaaag gtatgtttct tactttgggc tgttctgagg tcaatttagc 360
 ttcagtacct aanaacactt ggtgggttaga ttctgggtgc actactaaca tcagtgtttc 420
 aat 423

<210> 34723
 <211> 428
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34723

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 taattatgac ctttcaagca acagatacaa tccagggttg aggaatcatc caaatctgag 120
 atggacaagt cctccacaac aacaacaacc tgccctcct tttccagaat gttgctgggc 180
 caagcaagcc atatgttcct cctccaatgc agcaacaaca gcagcagtca caacaagac 240
 aacaaggaac tgaggctcct cctcaacctt ccttagaaga gttagtgagg caaatgacca 300
 tccagaatat gcaatttcag caagagacaa gagcctccat tcagagtctg acaaatcaga 360
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cacaaact

428

<210> 34724
<211> 362
<212> DNA
<213> Glycine max

<400> 34724

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accattgaag gacctcattg aagctcacag atccagcctc catagaagct ccacaagcaa 180
gcttccatca gtaaggaggt aagtgtctcc tccaacagga tagctgcaaa agaaactcat 240
tcttcactca agagaaacat tccagatact atcccgtta gacgacctcc atattaactg 300
tttcagaaaa aaacacttgc tagcattgcc acacctcttg ggcttgagtt tattcctcaa 360
gt 362

<210> 34725
<211> 396
<212> DNA
<213> Glycine max

<400> 34725

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cacctaaatt gataaagaaa catcataaac tcatacatcc tatgcaaaca aggcaaatca 120
ggtcccaata gtatcactta tcttttaate atcttatctt ttatttttct tatcttatct 180
tgttttatct ttatcttaat cttttatttt tcttatcttt tacctttatc ttctttatcc 240
tttatcttct atctttgtct ttatttttta taatctttta attgaatatt ttatcttctc 300
tatcttctat tttgggtcttt acatcttcta tcttttcttt cacatcttta tcttatctgc 360
tatattgtct tatctttatt ttaaattaat tatcta 396

<210> 34726
<211> 367
<212> DNA
<213> Glycine max

<400> 34726

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aaccatgaaa caaattgctc tgtattagtt gtatcaatga aggtgggtag gttaagtttt 120
gtgcttgaac ctctggcgcg gcaacacttg agaaatattg cagcatcgaa gtacttgagt 180
aatctttctca ggccactcat gcatgggtgct cttcatccat gacttcgggt tcaaattctg 240
ctatttgaga ttccctggat gtaggcgaat tacaagatga tgactcagca aagcgagtct 300
cttcaaagat tgatgctact gttctgtcgt gtaaaagctt tctttttctc tttgcgctgt 360
ttcttct 367

<210> 34727
<211> 358
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34727

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agtcacaggc attgaactac tccattgtga ttgcatggat catgagtata taagtatcat 120
cacatattca catatatctc atttatgatt acttattatg cacatacctg tctgtccatc 180
caagcaacac tgtgacagat cacccaagca ggttgaatat tctgggggag gactaggata 240
ctcgccaggg caatatgatc cccaactact ctcttctgca ttggaagctg tggatgcata 300
tatattgata tgttaggtaa taagacctgc tatgagtact ccacatacac atgcctcc 358

<210> 34728
<211> 417
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34728

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tatcttttgc ttcgtagcca tgaccacat cttccaacca tcaccacctc caattggtag 120
ccatgactaa tatatttcca ccatcaatat ctttgtttag taaaagtgtt atgggatggg 180
ttacgataag tgtgcttgtg tccttaccct gngtttgcaa acttatccct aaccaaatta 240
atacccaaca atacagggga caagattggg tggactagac ttgttagtat tatatatata 300

tatataatat tttataaact attcttttaa gtattgatta attaacaaaa ttgtgtcaca 360
 ttatataagg aaaaaatatt catatataaa tatttcatta ataacattaa acactat 417

<210> 34729
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 34729
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 tctttactcg gatgtctgat tgcgtccgc aatatatcga gactcatcaa aattgactgg 180
 tgaacctgtg agctgattca cagcagata actttgaact cggatgcctg attgagtcct 240
 gtcatacatc gagacgctcg acattgaatg ttgaagctct gaaccgattc atacgaccat 300
 aactgtatac ttggatgtct gattgacgct cgtacatatt gagacgctcg agattgtatg 360
 ttgtagctct gagccaatgc atacggacat aactctttac tcagatgtct g 411

<210> 34730
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34730

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 aagatattgt cgcttgatt ggctcataga atcaacattc aatatcgagc gtctcaatat 120
 attacgggac tcattcagac atccgagtaa aaagttattg tcgtttgaat tagctcagag 180
 cttcaacaat caatttcgag cgtctagata tatgacgaga ctacgacaga catccgagta 240
 aaaagttatt gtcggctgaa ttggctcaga gcttcaacat tcaatttcga gcgtctcgat 300
 atatgacggg actcaatcat acatccgaga tgaaagttat tgcggtttga atttgctcag 360
 aggttcaaca ttcaatttcg agcgtctcga tatatgacaa gactcaatc 409

<210> 34731
 <211> 340
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 34731

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attcattggt caaacacgct tttggtacaa acaacaact caaagtgctg acatctatat 180
aattgaaatt tacaacaatt gacatatata atctgaaatt aatatgactg aacataaatc 240
ataaaataat tgaatataaa ctataatggt cgagatgcac aaatttacat gtcttgctgc 300
tgatgggtgct cctatgcatg ctcattaang atcaacacct 340

<210> 34732
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34732

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ttttgaacca aaacaccaca aacacataaa tggcaatcga ttaaatacatg gggtaattga 120
ttcaaatata aagtttcaaa aattgataac tcacagaaac atagtgtaat cgattaacat 180
gaatgagtaa tcgattaaaa caatgaaaaa caggaataaa tcaaagtga acatgtatatt 240
ttcagagaaa aatcaacttc acatcaacat actaagacat ttgaagaana ttaatagaca 300
tggagagcat atataacagg ctacttgtag taagcttagt cgtcattcaa tactagaccc 360
atctaagata cctagttcat tcctaataaa gaagaacctt tctctagcaa c 411

<210> 34733
<211> 405
<212> DNA
<213> Glycine max

<400> 34733

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gagacgaaga aagcttccgc tagagggttag ctactcacac ccctccaata gctaagctca 120
atcccatacc aaaatacatg aaaatgcaaa aaaattccta ctacaaagac tactcaaaat 180
gccttgaaat agaaggctaa aatcttatac tactagggtg tccttaactt gtagggtagg 240

tgtgccctta attttagggg taccctacaa acctaaaatg accaaaatac aaggcccaaa 300
agaaggaaaa cctattttga tatttacaaa gaaaaatgga cccaaccttg gctcatgggtg 360
atgcaatctt accccccaag ggtattggat agaagactcc aagag 405

<210> 34734
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34734

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attcaacttt actcgtatth ttgtggatgt atgccttgaa aactgccatg tatttgttga 180
atagggttcc tagtaaggca gttccaaaga caccttttga actgtggatg aataggacac 240
ctagtataag gcacatgcat gtttgggggt gccagacaga aataaggatt tataatccgc 300
aagagagaaa atnggatgca agaacaatca gtgaatattt catttggtat ccaaaaaagt 360
catgnggtat atgttttttt gcctaactcat agtatgagaa ttggtgaaac tggaaatgca 420
nggttactga aaatg 435

<210> 34735
<211> 451
<212> DNA
<213> Glycine max

<400> 34735

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cgaacgccat caacagctgt tccgcacat tgctgactgt gatggctcgt cttaagggtac 120
ttaccatggg gaagaaagat accctctctc ataaggctc cttcaactgc aataacctat 180
ttctcatga caacaatcaa ggtgccgaat gctccatgcc tgtgtgcaa tattaggata 240
caccgtgtca catgatctgc tatgaaaacc actcatggct ccgttcaaga aatgagtggc 300
cgagcgatga agtgctttgc cgaatgccaa cggaaagaga atgagcaatt gtgcctctct 360
atgcgaaacg ccatagacac aattatccaa ccttgggtgc gtcctataac agaacatgca 420

acaagatcta ataacaatgc ttggagttga a

451

<210> 34736
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34736

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aagtcacccc caatagccaa caagtcaccc accatttggc ctcccaaaag gctgatgcct 180
atgttgccaa ttgggccctt attacaactt gaactaaacc taactaaagc ccttttagtt 240
gattaaccca caacatattt ttggtcagcc aactttacaa ggattgggcc attatttaga 300
cagactanac actctaaaat tgaacaaaag tgggtgcatt tagtcctcct ccatttgggc 360
catgatacaa ctcac 375

<210> 34737
<211> 246
<212> DNA
<213> Glycine max

<400> 34737

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tctcgagagc tagcgatggt caatggggag cgacaccatg tataatgtcc gcgaatcgct 120
catgcgctg aacagtcacg accattccaa tttctcgaga gctatcggtg gtcaatgaca 180
accggctata taactaatga ccccaactcc agcatccgag cgaatagtta ggacccttca 240
cctttc 246

<210> 34738
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34738

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ttccttaaat ctcgtcattt ttgtaaaggc tttttgaatg gctttccggn tcaacaaact 120
 ttgcaaatct ttgaacatcg tgaaaaaagg ccaaaaatta atgtagtgac cttgagcttc 180
 aaagctttat ttgtcacatt tgtcaaataa gaaaaccttt caaaagtttc aaaacatttg 240
 acattattta taanaagtcc ccaaataaat acttttttta ttgcgagcat tatcattntt 300
 gtatactcag ttttatgaat aatagttttac aaatacctag ttgttntaaa nttaaaaatt 360
 aaagtttatt gtgttataaa atctcaaaag catactcatt ttattggagc atatttttta 420
 tgattcaatt tata 434

<210> 34739
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 34739

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 aaattaaaat ttagaaataa gaggttttaa tataactaaa agaattaata tatatttttt 120
 taaaaatttc attaacttaa aatagatcat ctgaaatgaa gaaattaagg aagtttcgga 180
 catgcggttc aaacttggtg aaaatatgtg tgtgtttttt tttgttcgt tgctttctga 240
 aatttatgat tgtgcgtaac ccgaggtcta cgttctacaa atgaatgcca tttagactaa 300
 agaaacatga ctccgcattt tcatctaaat tattactttt tagaatgcta ccgacacatt 360
 aacaacctaa gcagcacatt aacaaaattt aactgatcga ttctagttcc caaccctcat 420
 tttgggttat t 431

<210> 34740
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34740

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 gcacaacaag ctttccacat ccacaatgcg cgcataaacc caccatcccc tgttgccac 120
 ctccatctga gtcacgtac tcccacgtag cccatatacct cgtttctctc aacaccgggt 180
 ccccatcaat cctctcaagc ttccacaaca tccaagcaaa acaacattca aacagcacia 240

tgaatcggac ctcagtgtca aaagttatga ccatttgaat ttctcgagag cttccgtggg 60
tcaatttcga gcatctcgac atattatgtg cccgaatctg actttcgtgt gataagctct 120
gaccatttga atttctcgag agcttccgat gctcaatttc gagcgtctca atatattgtc 180
cgctgaatc ggagctcagt gtgaaaagct atgaccattt gtatttgtcg aatgcttcct 240
tggttcaatt tcaagcatct ccgaataatt atagtcttga gtctaacctc cgtgtgaaaa 300
gatgtgacca ttcgaatctc tcgagagctt gcgttgatca ctttcgagcg tctctgtata 360
ttatgcgccc gaatcagaca tccgggtgag aagtcac 397

<210> 34744
<211> 430
<212> DNA
<213> Glycine max

<400> 34744

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aagattccta aagaagctag agtttaacta cacataacct tctaatagct aagttcacct 120
ccttgagatg agaagctaga acttagctac acaccccccta tagtagctaa gtcaccccc 180
atgacaaact acatgagaat acgaaataaa tccctactac gaagactact cagaatgcct 240
cgaaatacaa ggctgaaacc ctatactact agagtggcca caatacattg cccagacgaa 300
ggagtaacct attctaatat ttacaaagat aagcgggctc atacttagcc catgggctct 360
taatctagcc taatgctcat gagaacacta gggccgttcc ttgtatctct ggcccaatct 420
acttgagtc 430

<210> 34745
<211> 129
<212> DNA
<213> Glycine max

<400> 34745

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cttgataggc tcctatgcgc tattgagaat gaccattcct aatctctaca gagccttcgt 120
cgctcaatt 129

<210> 34746

<211> 389
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34746

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 cgtgaagtgc gtggctacga gtggaacttc gaacatccag gtttgggtgg acttctttct 120
 ctcttanatt tegtgggtat gngggtttgg gagatatgat ggggtggcttt gttagttttc 180
 tgctgtgtga tgattatttg tgaaggcatt tgctgaatac ttgatgaaat cgccatgttt 240
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 atatgctgaa attgctgatg gaaatctgtt atagacaaag ggtagaacta acccaagggt 360
 agaaagtgag aatgtgattg tatgagtgg 389

<210> 34747
 <211> 403
 <212> DNA
 <213> Glycine max

 <400> 34747

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 cctagtctgt cagaaggcta agatagaaca ttagagacct tcaaggaagt tacaaccctt 180
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 gaccctaga ggcttagatt ctatctgggt tattctcgat agattgacta agtctgctca 300
 cttcattccc attaatatca gattttcctt ggaaaagttg actaccttgt atataagtga 360
 gggtttcaag ttacatgggtg tgccatctag catagtatct gat 403

<210> 34748
 <211> 411
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34748

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aaacaataca ttctcaagca ccttgagaat aaattaaaca ctaccatggg catgcatatt 120
gcaaaaaata tgaccttttc tctaataaat cacttcaaac caatgataac taatcaatat 180
tatgcaacta attaaaataa agaatggaaa aaagagttgt tttaggactc aaattataaa 240
tgaaagctca aaattgaaac tgccttgcac atgacaccta agaaggatag attatgagat 300
atgttaacct ttccttacct gtattcgagc tctagaccct actatgatat ttgagattgg 360
cctgcaagct tgattaaaca tgcttttgnt atagtcactc gtaagaagtt t 411

<210> 34749
<211> 426
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34749

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agggtcttga aatttccatt ttcgctgtg gcagtgtgag taggggaagc agacacgtca 180
cacggacacg tggcagggtt gccactgcat tntacgaaac gagaatgggc atttcgggtca 240
ttgcgtaggg tagtactagg gtttttgggg tacattcaca tagtcggntg ttgttgctcc 300
aatttcttat tntggtgcat gcgagtgagg ggctttgtaa attaatttgt tctagtaata 360
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atattg 426

<210> 34750
<211> 426
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 34750

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tagaaggata aatacttcat ccatccaagg atccactcca agcaagactg aatttgcgtt 180
ctggtttagc atttataatc tttgtgaata aaatctttct cttcaatcct atttccgatt 240

[illegible]

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<223>      unsure at all n locations
<400>      34751
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<210>	34752
<211>	414
<212>	DNA
<213>	Glycine max

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taaaaagtta ttgtcgtttg aatttgctca gagcatcaac attcaatttc gagcgtctcg	120
atatattacg ggactcaatc agacatccga gtaaaaagt attgtcgttt gaatttgctt	180
agaggggtcaa cattcaattt cgagcgtctc gatatattac gggactcaat cagacatccg	240
agtaaaaaga tattgtcggt tgaattgggt gagagcttca acattcaatt tcgagcgtct	300
cgatatatga cgggactcaa tcagacatcc gagtaaaaag ttattgtcgt ttgaattggc	360
tgagagcttc aacattcaat ttcgagcgtc tcgatatatt acgggactca atca	414

<210> 34753
 <211> 416
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34753

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 tactcagatg tctgattgag tcccgttaaca tatcgagacg ctcgaaattg aatgttgaag 180
 ctctgagcta attcaaacga ccatatcttt ttactcgggt atctgattaa gtcccgtaac 240
 atatcgagat gctcgaaatt gaatgttgaa gctctcagcc aattcaaacg ataataactt 300
 ttactcggga tgtctgattg agtcccgtaa tataacgaga cgctcgaaat tgaatgatga 360
 acctctaagc caattcatat gacaatatct ttntactcgg atgtttgaat gagtcc 416

<210> 34754
 <211> 426
 <212> DNA
 <213> Glycine max

 <400> 34754

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 cttaggcact tctctctctt tctaatttgc ttggaaaaat tgtttccgtg aagaaaatcc 120
 aagccgaggc gtttccgaaa cgtttccata acgtttccgt gaggaatttc gggaaggttt 180
 cgaccgttct tcgacgttct tcattcgttc ttatcgttc ttcgatcttc aacgggtaag 240
 taactcgaac caagcttttc gattcattct atgtaccgtt ggtgggtccac attgtgtttc 300
 gtgtatttct attctcgctt catttacttt ttataccccc ttttgacgtg cttaagccat 360
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 aatgtg 426

<210> 34755
 <211> 367
 <212> DNA
 <213> Glycine max

THE 30 REASONS

<210>	34756
<211>	375
<212>	DNA
<213>	Glycine max

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tattcataga	gagatcgaga	tatcttaatg	atgaaaagtt	tccaaatgat	ctaggaagag	180
caccaccaat	ttgagttgtg	gaaaaaagta	acgtgtcaat	atttttaaat	gccccaatat	240
gatctgtcag	attgcctgaa	agtcgtgaac	tctgaactgc	aagtcttgtg	agtccatggg	300
aaataccagg	agcangaatt	tctaaaagtc	attaaccctg	tggttgagtt	tgagatatga	360
tanatctatc	acct					375

<210>	34757
<211>	401
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<213>	Glycine max

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cgtggattca gtcacaaaac aaacttcaat atgttggact gtctaacacg gggatttttag 180

attttattcc cacttggttc tgggaagcac attctcaggt tttgtattta aacctctctc 240
 ataatcatat ccgtggtgag cttgtgacta caataaaaaa tccaatatct atccaaactg 300
 ttgatctaag cacaaatcat ttatgtggta aattacccta tctttcaaat gctgtgtata 360
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<210> 34758
 <211> 433
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34758

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 gctgngggca agtaaatttt cttcccatca gaccttgaat gcaactgtga tcgtataccc 180
 atatcagcta gatcttgacg ggtattcaag tcaccttcg tcttgccctg aatgttaagg 240
 agcgtcccaa tcacactgtc acaaacattn ttctccacat gcataacatc aatacaatgt 300
 ctaacatcaa gatcacacca gtacggaaga tcaaagaaaa tggacctctt cttccatag 360
 caactctgac ttttatecct cttttgggtc ttccanata cagtattcag gtgttgaacc 420
 cgctgatata cct 433

<210> 34759
 <211> 417
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 34759

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 aatcgatttg aaatttggtc atgaccatat ccataatgct ccatcactag cagctgcatt 180
 aataagaatg cactttcatg actgttttgt aagggtatgc gtcctaatct ttaagcttct 240
 ttcattttta cttaacaagt acaatgttat tgtagatta aggttaagga gctaactaag 300
 atgaagcatt tcagggatgt gatgcatcag cccttttgaa ctcaacaacc aatcagggtg 360

agaagaatgc tcgtccaaat cttacagtaa gaggccttga cttcattggc attataa 417

<210> 34760
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34760

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taattatgat cttttaagga acatatacaa tctatgttgg agaaatcatg canatctgag 120
atgggcaagt actccaaaac aacaacaacc tgtccctcct ttccagaatg ctactggtcc 180
aagcaagcca tatgttccta ctgcaatgca acaacagcag cagcagtcac acaaagaca 240
acaattaact gaggtcctc ctcaaccttc cttagaagag ttagtgaggc aaatgaccat 300
ccagaatatg caatttcagc aagagacaaa agactccatt cagagtctaa caaatcagat 360
ggggcagatg gttactcagt tgaaccaagc tcagtcccaa aattctgaca a 411

<210> 34761
<211> 406
<212> DNA
<213> Glycine max

<400> 34761

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gaatagctgc aagcaaagaa tgtatatatt aagaaatata ttgaacaggt attcagccta 120
gctgactacc caagaatacc atggtaaaac ctttaagata ctaaagcata ccctatagag 180
gtgtcaagta ttcagctctg ccgaattccc aagtaccaca attaccttat cttcaaagg 240
ttaccttctg tttaacaata ttaggtattt gtccctagcg aataaccaag caccatggct 300
atcctatcct tcaaattgga tcttttgctt aacagcatca agaattgagc catgtggaat 360
actcgagtac tatgaatatc ctatcctcca aagggtatcc tctatt 406

<210> 34762
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations

[illegible]

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<210>      34763
<211>      433
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      34763
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<210>      34764
<211>      413
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      34764
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14481

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 gttgcatgcc ttgaccttgc aatgtcttca tgattcatat atgcaattat gtgatagcta 240
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 atcgtttctg tcatgttggg gcaagataac tgctgaggat tgagttataa ctatcgttgt 360
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<210> 34765
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 34765

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 actgtgacta ggcagcttc tagtcggcca aatgaatcca ccacttatt tacctcaatt 180
 aatgctaaca ttccggtctt aacgtcaccg gcacagaaga attccgttaa gaagccaacg 240
 gatcgggcca aagctccttt tgagaaaggc tacagccaaa cggactggct caagctcacc 300
 caaacacatg ctgaccttgc aagttctcat actcaatttt tgtactatgc aatctcaatc 360
 attaactttg gtggatcagt tttcaaaatt tcttccaatt tcttagagct ttgtaagaga 420

<210> 34766
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34766

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 gatgaaggag aagcccgtgt tgtgactgcc attcctatac agccaagttt cccaccaacc 180
 caacaatgtc attactcagc caataaccta cttcccctt acccaccgcc cagttatcca 240
 caaaggccat ccctataaca accacaaagt ttgtcttccg cactaccaat gacgaacatc 300
 accttttagca cataccaaga gcactaacca agaaatgaat gttgcagcga gaaagcctgt 360

agaattcacc ccaattccag tgcctatgc tgacttgctc ccatatctac ttgataattc 420
aatg 424

<210> 34767
<211> 424
<212> DNA
<213> Glycine max

<400> 34767

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tgcacccccct tctatctttt tggttaattct tttccgtaa cgttatgaaa cgttacaaat 180
ttcgtaacga tacttatttc cttctgcaa ggctacgaat cttacgtat tatgtattta 240
ctctttgtta gctttcgaag aagttacga aactcacgga ttgcgcaaaa acacctcttt 300
tcgacttccg cctcattacg gaatttcatt gattgtgcaa gcctgcttcc ttttgctttt 360
cgagacgtct cgggacttca tttattgtgc aaccaatgac tctgagcgac tcggacaaac 420
caat 424

<210> 34768
<211> 421
<212> DNA
<213> Glycine max

<400> 34768

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aaccgcgaat gggtttaggc aaagacaacg gcggcgtaac tagcctgata aatgccaaag 120
gaaatcgtgg gaagtatggt ttaagctata agccactca ggcggatatg aagagaagca 180
tcgcgggaag gaagagcggg ggtcaaagct cgcggttgag acaagagagt gaaggaagcc 240
cgccctgcca cataagtaga agctttataa gcgcgggtct gggagacaaa ggtcaagtgg 300
tcgcaatatg agaagatgat gttttgagta cattggattt ggtacgacca tgcccttttg 360
atttccagct aggaatttgg cgagtggagg aacgccttgg catttacgca acgagcataa 420
t 421

<210> 34769
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34769

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 acaaaagtgg gcagttaact tgaatggcca ttattgtcaa tgcggaaggt attctgcgct 180
 tcactatcca tggtcacaca ttattgcagc ttgtgggttac gtgagcatga actactacca 240
 atatataaat gttgtttaca ccaatgagca catcttataa gcatactccg cacagtgggtg 300
 gcctcttggg aatgaagcgg caattcctcc ttttgatgag gcatggacac taatccctga 360
 cccaactaca attcgtgcga naggtcggcc aaaatcatca aggataagga atgagatgga 420
 ttgggtc 427

<210> 34770
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34770

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 aaaaggctcta ccaatacttt ctgatagttt gccaaactat catgcttgtc aatttggtaa 180
 acaaaacaaa aaatcattcc ccaaatcatc ttggagagcc tctcataagt ttagtagta 240
 tcacactgat gtgataggac ctcaaagaac accatcacta caaggtagtc tctactttat 300
 tcatttcata gatgactnta caagaatgtg ctggattntt tttcttgaaa ttcaagcatg 360
 aagtggctga agtatttggtg aagttcaaga taatgggtgga aactcacagt ggctgcnaga 420
 ttcaatgact 430

<210> 34771
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 34771

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 agtactttcg acacctactg tacgttgatt tcaccaatgc tggtatggga atgttgcgac 120
 aatcctttta aaccttattg atacattctg agaggttcgt tgcatgtgg ccatattgac 180
 gtccttctct atcgtaagcc atcgccatt tttcttttga gatgcatca atccatgttg 240
 ctatcgctgg actcagatca ccaaagtttc taaattttga tcaaaaatgt gcttgcaagg 300
 agtgtaggct gcataaaatt agttatgaat aacaatttat agtataaatg atagtaaaat 360
 aaacgtggcc atcaaatatg aaattgtacc caacttcttc aacatttctt t 411

<210> 34772

<211> 410

<212> DNA

<213> Glycine max

<400> 34772

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 ctggtggcgc cataacagga agggcaaata atcgagcttg tgagaaatga aactatgaag 180
 agcaaaatga atgaacgagt tgatttgagc aaccattgct gatcatacca agcgccacat 240
 accatatcag aattcttaca gatgattttt tgagaacctg aagagaatag aaatctgaga 300
 tagtgactgt gagtcttcat caaccacttg acttgaatat agatctttgt atttatagac 360
 agaactgata ttagatcatg tgtcacaact aattaacagc tgtcataact 410

<210> 34773

<211> 421

<212> DNA

<213> Glycine max

<400> 34773

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 gtacagagag agggagagag agatatggcc taagctatgg cgtagcgcg cgcacagggc 180
 gtaatactcc atgatgcgcg tgagtctcac acgcaggata tacaacggg ctccgataaa 240

agctttcatg gctttcaaga agaccatagg cacaccacca gttctgagtc gacctaggcc 60
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acaaaaagaa gggaagcacc agctccctat ctatttcgcc agccgcaaac tccatgacac 180
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gtctcaggcc tacttccaga gtcattaagt ggtagtcaaa atgaattaca ccatcaagca 300
agttttgaga taacaagaac tcagaggaag gatggttggtc tgggtctatat aactttcaga 360
gtttaacatg cagtatgaac atcacagccg catgaagaca tagttcatgg ataactttct 420
a 421

<210> 34777
<211> 417
<212> DNA
<213> Glycine max

<400> 34777
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atgaatattc aatgctttgg tgttttgggtc ctctttgtag agaataaatg ttattttctt 120
cataggatct gtccaaatgt atgaatcaga aagaagtcaa ctaaaaaact gcctactaca 180
ttaaaaggca tgtcaaaaca agttgcaaag tatttgcata cagaaaagca aatatgatca 240
cttacacaag atatgaagtg tagaaatagt atgataaact gatttatcat atgaacatga 300
caagttaatg acttgcatta aatgcttcga tgattatttc caccaataga tgaagatgaa 360
aacttcacaa gttacaacta tcatcctttg aacgtgttat atatacttga agacttg 417

<210> 34778
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34778

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taaggaagta tccttgggat acctcaaacc tacattgggt gtgtccttaa ggtacttaat 180

gatctttttg atagatgtta agtgagattc cttatgattg gtctggtacc ttgcacataa 240
 gtaaactc cactgattta agtagaaaag tgatccaatc atacctctat atcttgactc 300
 atccactgat tntcctttct catctaagtc atggtaggtt gaagttgcca ttggagtaga 360
 tgcttctttg cattnttcca taccgaatnt cctaattagt tntgtacaat acttggtttg 420
 actaa 425

<210> 34779
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 34779
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 gtgctttcat tgagcatcaa tggcagatgg aacacgttct aaggcatcat cagagcgtct 180
 ggaagatgca attgcaaagc tctactcttc gcaacttgct atgaactcga agattgatga 240
 tcttctccat cgaatgtctc agctcgaggc gaatcaacag caaccgcaat ctccgtcgtc 300
 gtcgttcgca ggacacatgt cgccgtctca aagccccttc caccgtatga agcttgatgt 360
 tccgagaatt gatagttctg atccaacggg tt 392

<210> 34780
 <211> 428
 <212> DNA
 <213> Glycine max

<400> 34780
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 gagagagaag cgattagcga gaaaattgga gagtgggtgag acttttggtt gggttggcca 180
 tgaaggaagg ggtgctatgt gtcaactagc tacgtgggtg aggtggaaga ttgtgtgtca 240
 ccaagtgagc ttgcatgaga ggtgaggtgt tggctaatta tggattagct tttatgtaca 300
 ccaagcttag tttaatttta cactgtgtaa ttataactca ttaacattct atagcaactc 360
 ttatcatcac atctatatta gctgatctgt aatgacccgc tgctgctaca tggatctaga 420

aaccatat

428

<210> 34781
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34781

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ttcagatttg gcagatcagg tcatatcaaa agaaattgca gaactagact cnttaaagt 180
aatgctacat acgaagaaga tgaagatgac tcatttgagt cacttacann nnnccaatgc 240
ttcgccatct acgatcggac gattggacgg cccgggggtac tagtcaatta cctagattac 300
cagagagaat ggatcctaga ctctagttgc tcacatcatg taatangaaa ggggtgggt 358

<210> 34782
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34782

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tttagagcaa gcttatgctc ctatttcctt acaaacgttc tcttgacaaa gacatttaac 180
cgaaaaaatg cacccatata caatcaaggc agtttcgtta cctagattat ttacacgtac 240
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catactcaaa gcattntggg gcacaaaaan atgcacctgt gcacatcttg gcatttctaa 360
tacctataca tacgcanact tcatgatgaa tcttgactat ctacacaata aggtgctaca 420
tttcat 426

<210> 34783
<211> 409
<212> DNA
<213> Glycine max

<400> 34783

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 tgtacctgtc gcaaggggtt gtgggttgtg ctctctgtct gaccaccata cagacctttg 120
 cccttccatg cagcaacctg gagcaattga gcagcctgaa acttatgctg caaatattta 180
 caatagacct cctcaacctc agcagcaaaa tcaaccacag gagagcaatt atgacctttc 240
 cagcaacaga tacaacctg gatggaggaa tcaccctagc cttagatggt ccagccctca 300
 gcaacaacaa cagcagcctg ctcttctctt ccaaaatgct gctggcccaa gcagaccata 360
 cattctcca ccaatccaac aacagcaaca accccagaaa cagccaaca 409

<210> 34784

<211> 321

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34784

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 ttaccctcgg aagcaaaaaa aaaggggaga gggaaaattt ccaatcaaag aggaagcaaa 120
 aaaggagaga aggaaaattt ccaatccaag gaaaaaaga gaggaaggagg aattccaat 180
 caaagagtgg gagaaagcca aaagaaaaga aagaaaattc ccaatcaaag aatgggagaa 240
 agaaaaaaga gaagaagaaa gggaagaaaa gtcccgatca aaaaaaata atatgcagaa 300
 aggtctttgg accggacaat a 321

<210> 34785

<211> 441

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34785

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 aatgatccca aacttgcttc caattaggcc atcaaattaa ttaatcctta attaagcctg 180
 cttatgtgag atccaactca gctatatccg ntttctttat attattttct gcctctttga 240

ttaaaaacta aaatgtaaat aaaaaaacta acaatcaaaa aagacaatat tacttttctaa 300
 tcacatatgt tgcttttttaa tctggaagac acaaaacgga gagcanatga tttccatcca 360
 cttataacct accaatgttg gcctttattc agaccagcgg ctagtggcca ttggctttaa 420
 nttaatcgta atataactca t 441

<210> 34786
 <211> 441
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34786

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 aaactctggt gtcaatagag gaacgaattt ataggtccca gagttcgta atagttgggt 180
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 agcttttctc tataaaagac acgcatgagc accccttata taataatcat agtccttcta 300
 tctattgggt ttctacataa acatctcaga atttcacctt caacttaaac aattaaagat 360
 ttaagactag gaatctaana catggctaaa ttgacaagt ttttgagtat aaaattaacc 420
 gtcccaatgg aatgaaatat t 441

<210> 34787
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34787

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 agagcttttg ctgtgagaag actggcagag aacagagcga gaagaggaaa ccatctgaga 120
 gcatgagatg agtctgtgag tgattgtgag gttctagagg tggaggagac atccccacta 180
 cttgtatttc ttcaatcctt catttttctc ttctctttgt tgtaaaggaa gcttcccaga 240
 tatggagagc taaatccttt ggtgggtcct ccttgtaggt acttgatgta aatacttgta 300
 tatctattta atgatgtttt atgtgttctc tgtgtctatta gtacgtcatt ctacgtgtt 360

tctgccttga tcatgtagat tcatgcttct gtaggatcat tcaacagttg aaactggttc 420
gattct 426

<210> 34788
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34788

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tgttcgctaa gcacactgct tcatctcact aagcgctccg cttcagttca tccgctaaac 180
gagaaaggcg tgctaagcca aaaatcacca aagtgcacta agcggaccat aagtgcgcta 240
agcgcacgag catgaacaag gacacctatt taagcctaaa atcagatttt gtgaagagag 300
tttggactgg gattcagagc tttgcatgtc tagggtttct agagagagaa aggtccaagt 360
tccagagagt tttgagagat tntgttttgt gaaaatctgc agagaccana gcttgaaaca 420
ggaaccg 427

<210> 34789
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34789

agcttagtat ccactaacaa gtacaaacca accgaaagaa aaattgaaaa agtaaagaag 60
agagaaaaag taaataaaca tgtagaacac cattccacca ccaaataaca cgtcaattaa 120
agaaatgtga ttggacagat tatatatata tatatatagg agagagatca aattacatta 180
actttaactt tgattaagta ttataccggt caataatttt taattggata atattttctt 240
aaaacctata atgggattga aattttatct cacttagatc atatatacaa aattttatat 300
taatccaaaa ttaattgtta cctcattcat tcagattaaa attgacctaa tataaacnt 360
tcaaaatata ttaaaatata gatcgtttga ttaccttatt attgttcaat tntgacaaaa 420
attcacacaa 430

<210> 34790
 <211> 399
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34790

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 cgtgttggtt tcatcatcat tattctgttg aaaatgactg gagatacagc tgtgaacaaa 120
 attgatttaa ctttggactt tcgaagcctc ctttctttgt gacttttcat ttgggcaaca 180
 gtgggattat ttggcaaagg aggaacttcg tagtcctctt ctacntgttg ccatacctcg 240
 ttagcatcga aatatgcttc catnnngaca gcctatattn gatagnttag tccatcaaat 300
 acgggtacag aaatggtagt aaaggagggt tcagattcca tcttatgtgt ggtggctact 360
 tggngcgtgt aggtgtttgt gggttatatc acagatctc 399

<210> 34791
 <211> 546
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34791

 attgaagcat ttgtaaccat ggcgaaatcca gctcgagtcc agctgagcac ctggagatcc 60
 tctagaggcg agctgcacgc actgctatct cagattctta cacctggccg acaattgtgg 120
 gagccacgat ggtatgaggt gaccttgact tcatttacgc acacatcagt acatgggtgtg 180
 tctgggtgaa catgaggtac agggcatcat atggaagact atgagcgagc ttatgcacct 240
 agttccttgc aaacgtgact cttgcgaccc attgttctag cgagaaaatg caccggttta 300
 ccatccatga agctcttttc cctagattat atacacgaac ctacacagtg agattatacg 360
 tacatacaca caattccttg gctaaagtca catacatgca tatctcaagc attatgtggc 420
 accacataat tgcactctgt gcacatgatt ggcatttata atacctatac ctacgcctac 480
 ttgatgatga atcttgacta tctacacaat atagtgtac atttcatgct cttntttcaa 540
 ggtctn 546

<210> 34792

<211> 390
 <212> DNA
 <213> Glycine max

<400> 34792

gattttatgg aacgagttcg ataaagaaag tatcttctaa taggaagact tgaactcatt 60
 cattcctaatt cctgaccaa catgatcgta atgatcaaga tatgcgctcc tatectatca 120
 ttcactaaaa ctgtattttc tacgaatata accacacaaa caagacaggg aagttcagag 180
 gtaataatgc ctgaggccaa aagaacagcg agtgtatata taatcatacc acatgactaa 240
 tcccaacaca gggaatacat atggaggaca agatctgaag ttattactga cttccctaca 300
 taggtcaaga aataccagcc atgttggtta gaagagacac acttacaatg cagaggtatt 360
 gcactttcaa gaacagtaca ggtatcattc 390

<210> 34793
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 34793

agcttacaaa tttgttttaa gtcagttgaa ggaccaaagt aaaaaagctt tttctgttat 60
 tgcttgaatt caaataggta catatatata gagagtacaa aagagagaga gggaggagag 120
 aggctatgac agtgacaatg cactgttgcc ttctgaaaaa aaaggctacc aactaagtta 180
 ccaaacatgg cttaaattaca aggatattca acactcccc tcaagctgga gcatataaat 240
 catatgcacc aagcttggtta catatagtct gaatcttggg tctctttaag gacttagtca 300
 aaatatccgc tggctgatca ttagaaccaa tgaactcagt gacaatctcc ttggacagaa 360
 gcttctctcg aatgaaatga caatcaatct ctatatgctt ggtcctctca tgga 414

<210> 34794
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34794

tctcgcanag cttacggtaa gatctgggac ctagccatgt cataggtctc cacagaggcc 60
 attgcctccc tcgcccaata ttatgaccag ttgttgaggt gcttcacctt tggggacttc 120

atcatgaatc atgatccatg tataattcaa aatagattat gattcactat tttcttcaca 360
tgatcaatcc ataagacaat aacaatcaaa cacttgtgac tgtaaaaagg agaaatt 417

<210> 34797
<211> 417
<212> DNA
<213> Glycine max

<400> 34797
agcttttgtt atcggtcac ttcataact ctaaggactg cagagcacia ggaagaaaaa 60
tatacattat tgtcacagta aacaagaatg ggatgttttt agagaaacag aagtgttgaa 120
atgaggatag tttgcagtat tacaatgaaa tgggtgcagt tttttacatg ggtctgatgc 180
atgcagtcca gaagtaagggt ttttgaatcc atgcattcat tacaacagat aatgaacaaa 240
agcttaccga acttcctcca atcaccaaca aagttgaata acttggatga taaacacagg 300
aatgcaattg gctcccagtg gagctgaact catgaatcca ttctcctcct gaggtcatac 360
tccaaacctt caccagattt ggactcacag atgccaaggc atcaccattc ccatccc 417

<210> 34798
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34798

ntagtcaaac agaataatcc aaaaatgtca aagaattgtg tgttgaaaaa gcataacaag 60
actttctgtg attggtttta agatacaatc tttgcagatg aaaatgcttt agaaacttta 120
agaaaactag ctgacggggc taaaagaaat gttataactt ggcaaggata cgacataaac 180
aagtattcat tttacacaaa atgggcccag ctttgccaga ctacagaga cttttcttgg 240
gacgtatgta ccttgccatt taagttgttt ttaaaaaaac attaacttgt tataattcat 300
tctagcaatt tgaaacgcta ttgttttatt tttgcaggat gtgtggaaaa aggcaaaggc 360
catccagaaa tagaactg cccccacgt 390

<210> 34799
<211> 416
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34799

agcttcctta tatggacagc attaattatc attgccaaaa tagtgcaaga ttacaaagga 60
agcaggcaca attgatcata gcaatataaa tcgcccattt ttaccattac tctatactct 120
ntttggcact gtgtttccgt tcttggttaat aagataagaa aattccttct tcttgattct 180
tctttcacta aacatattaa acacgttaat taaacatgta ctctataacc caactatgaa 240
aaaatatcgt atattatgtg ctccaaaact tccttggaat tttcgtanaa aagaagatta 300
taatagtaaa aaaaaaaaaac tccattatta gtctagtact acaaacaaaa ataatgtaat 360
aatagtaaaa caccaatcag gtaatgccaa ccattccaca cagcattttc cacaaa 416

<210> 34800

<211> 400

<212> DNA

<213> Glycine max

<400> 34800

tgtgtttttc gataggagga accagtttga gttggaggat ctgcttcgag cttcggcgga 60
gatgctcgga aaaggaagct tggggactgt ttacagagcg gtgctcgatg acagctgcac 120
cgtggctgtg aagagactca aagacgctaa cccctgcgag agaaatgagt ttgaacagta 180
catggatgtt gtagggaagc tcaagcacc ccaacattgtt agactcagag cttattatta 240
cgctaaagaa gacaagcttc ttgtctatga ttatctgccc aatggaagct tgcattctct 300
tcttcattgt tagttaaaact caaactcgag cgagctctga tgggacatga tccttcattga 360
taaacttta ttaatttgat aagcttgatt gtttatatat 400

<210> 34801

<211> 435

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 34801

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tgtgcanagt tgagaatttt actttcaatt ggtgggattt aaacactcat aactgagaca 120

cttatgtgct tgagagaaac actagccttg tgaggaatga agcatgggtga atcttctgtg 180
 atgcttgtca tacttgctaa cctattttat gtccaagtgc atcctttcat gcttttatta 240
 tgggatcatg accaatgcga actagatagt tggccattgg aaatgatgaa atgttatgca 300
 atcatctcat gtaatgcgat tggtagcttt gaaaccttgt catggatcta acttagtgta 360
 gttagtttac ttttgctaga ggacaaacaa agctnntaaa ttggggggagt tggataactg 420
 ctgtgcatag atata 435

<210> 34802
 <211> 437
 <212> DNA
 <213> Glycine max

<400> 34802
 tcctcgcggc catctgctgc gagaacaaac gtttggaaat tagtttacia gataatgctt 60
 atcttaacgc aaaaatatca tactaatcac tctgatttag accaaactca tgtaatccat 120
 ttatgcacac gcgcatgtgt agaaaatgtc ctattactca tgtcaacata caagaacatt 180
 ttccatacac ctatatacat tctgaacaag aaaacatact ttcattgctca aagtgttgcg 240
 tcaaacttta cacctaattt atatcctaaa catttgctat taaaaactac ctacatacat 300
 ttgaagtaca ccataaaaaa ttttattgtt tcaactcatat ttatttatat gcatattgga 360
 aagctaatta catcctgcac acactagcat tcaaaaggaa attccatact atcatacatt 420
 catttacgaa aataact 437

<210> 34803
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 34803
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 tcaataattt aattgaaata agttatatcc ttcagaagta aaagtaactg tgtatgtaaa 120
 ttcaagacaa aaatcaagga accttgatct ttcgagcata ttgattgaac ctggcaagtg 180
 caccggatcg cgcaagtagt ataaaacggt aagaaccgag tatcgaactc tcagggaact 240
 tgtggtactt agtaaagcta tatttagtga ataggtgtct agtatgaaaa gatacgtgtg 300

gactatgaac aggtatgtaa actaattatt aaaaaggaaa atcacgtgag aaatgatgtg 360
 taaagacaag tagacaacgc gttggtcttc ctattaggtg gctgatgtta taaggatatt 420
 ctctacttaa t 431

<210> 34804
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34804

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 ctcaaatatg tggggcaatt ttggtttggt ttcttgcttg attgggtcga attgaggggtt 120
 tgtatgagat ggccctagga ctataatgca ttttgaagca atgggatatg ccacattgtc 180
 ccagttctct tgctattaat gcctaaacgc gcgcccacca agtggttcggt gaaatgcctc 240
 aatggcatta gcgcgtgggt ttcgtaggga aacaacccat ggggtgtttt ggtttgcaca 300
 tattttctat ttttttggga catgcattca tttccgaaag ggctagagta attgccccac 360
 atatatecta ngcctatgaa ccaaagtttt tatgcaaaag aacacaagag tgggtgctta 420

<210> 34805
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 34805

agcttcagtt tcccgaagat tagttcttcc gaccagtaac tccgcaacat ttgttttcag 60
 tgtctccatc ccaccttttg atttgtgctt gcacattcta atgacaattc aattaatcaa 120
 agaaaagaaa tagcagtttg taaaaggagt tggattctaa aaacagacag aaattttttg 180
 tgatgacaca actgcaggca aaataaaatt tctgacctta tgcttttatt gtatctccat 240
 gcagtcactt atctagtaaa agattcattt cttattaatg gtgaaaatga tacatcacac 300
 tcaaaccatg tgaggctttt tttgggatgt gaatggagcc atgtctttgc cttacttngt 360
 caggagaatg ggacctttag ttcaatctag tgagggtgaaa gtaattgtga tggattacca 420
 tggaatctct cta 433

<210> 34806
 <211> 434
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34806

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 ccttatttgc taaaacattc cagatttata tattttttttt ggaattgtcc atatttgtat 120
 ttactcaag cttaaagtga caggcagttg atcatccata ccttgtggta tactctcaaa 180
 gtgcagcatc aagaagtgga gttatgacaa ataatggcac tgttgaacaa gtttgtggca 240
 tttgccatga gccagttgaa gatgttgtgg taagttttttt tttttttttt tactttttgt 300
 taaactgttt ttctgattga attgtttcaa ttattttcctt cgttttcgat ctagttatat 360
 gtttccgaaa acagttttttt agctaatttt agtgtgttaa gtatctagtc attattgttt 420
 caggttacca cctg 434

<210> 34807
 <211> 401
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 34807

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 tattaagtc ttccaatagg ttgataatag attgtgttga atcatgcctt gtgctcttgc 120
 tattgttatt attatctgta cataactagn tgtcgcatat tttttttttt aagggtttat 180
 ttggatatag aaaaaacat atagagtgtc tctgtgatct ngtgtattcg tatatgtcat 240
 accccatttt tgaccccggt tttaattcctt tttttctcgc ttttaaccag aagttcgc 300
 tcaatgaatt tcgcaggaga tttaaatact attntgttca aacgacgnnt tttattatta 360
 ttatttatat ttttttatta ttatttatat atattatata t 401

<210> 34808
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 34808

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agtatcttcg acacctactg tacgttgatt tgaccaacgc tgttatggga atgttgcgac 120
aatccttcaa aaccttattg atacattctg agagggtggg tgtcatgtgg ccatatcgac 180
atccttctct atcataagtc atcgccatt tttcttttga aatgcgatca atccatgttg 240
ctatggctgg actcagttca cgaaatcttt ctagatcttg ataaaaaatg tgcttgcaag 300
gagtgtangc tgcataaaat tagttatgaa taacaagttt aagtatatat canagttaaa 360
taaacgtgac catgaaatat gaaatcttac ccaatttctt caacatttct ttntgtttgg 420
cattattgaa tttccga 437

<210> 34809
<211> 411
<212> DNA
<213> Glycine max

<400> 34809
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atgggggaaa gtcattatgt gcagccttac ccttgcatat gcatagaggc tgtttctgga 120
ttcggacaaa tcaaaaccca tgaccgactg atcaccaagg cacaacttta ccattgtgcc 180
agggcttgcc cttttatgtc attttacatt cattggctag tttaacaact aattatatca 240
aacactttta ataaaaataaa ctaactttca gttaaaaatt agcattagct tattacctaa 300
tcatttccaa acataaacta agcagaacac taaatcctcc aaaatctaaa acaaacatat 360
gcccttagca gcttagcctt tggaaccaat aaacacaatg tgatgaatta t 411

<210> 34810
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 34810

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taaagcttca tccttattaa atgatttcaa ttttcttctt ctttttaaaa tttccacaaa 120